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Ohio Labor Market Information Labor Market Review

November 1988

Summary. The seasonally adjusted unemployment rate in Ohio was 5.7 percent in November, about the same as the 5.6 percent rate in October. The national rate, at 5.4 percent, was also little changed over the month. Total employment in Ohio continued to rise, reaching 5,041,000 in November. The number of unemployed, at 304,000, was up 9,000 from October. Nonagricultural payroll employment rose 16,000, to 4,736,000. (See page 3.)

Factory Employment. Manufacturing employment in Ohio, at 1,111,000 in November, advanced 4,000 from October. Durable-goods employment rose 4,000, to 746,000. Moderate improvements were noted in nonelectrical machinery, transportation equipment, fabricated metal products, and primary metal industries. Employment in nondurable-goods industries increased slightly, to 365,000.

Nonmanufacturing. Ohio's nonmanufacturing employment totaled 3,625,000 in November, up 12,000 from October. Retail trade and services increased 4,000 each. Construction added 3,000 jobs, while government employment rose 1,000. All other nonmanufacturing divisions were unchanged in employment.

Over the Year. The unemployment rate in Ohio fell from 6.0 percent in November 1987 to 5.7 percent in November 1988. Nationwide, the unemployment rate declined from 5.9 percent to 5.4 percent. Ohio's total employment increased 96,000, while the number of jobless workers dropped 14,000. Nonfarm wage and salary employment was up 110,000. Services gained 39,000 employees; retail trade advanced 28,000. Construction also had a significant increase. Mining showed no improvement over the year. Increases in both durable- and nondurable-goods employment raised the manufacturing total by 10,000 from November 1987.

Factory Hours and Earnings. Increases in nearly every manufacturing industry raised production worker average weekly earnings $10.42 from October, to $533.48 in November. Their average workweek of 43.8 hours was .5 hours longer. The most significant gains occurred in motor vehicles and equipment, metal forgings and stampings, aircraft and parts, iron and steel foundries, and general industrial machinery.

Benefits and Costs. There were 54,529 initial claims filed under the Ohio Unemployment Compensation Law in November, up 25.4 percent from October, but down 10.8 percent from November 1987. Total benefits paid rose 15.2 percent to $34.3 million. The average benefit check of $153.93 was $.51 lower. The average weekly number of benefit recipients increased 2.2 percent, to 49,980. At the end of November, there were 200,899 active employer accounts.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

Employment Service. The Ohio Bureau of Employment Services helped 36,413 new job applicants in November, down 4.9 percent from October, and down .4 percent from November 1987. The number of job openings received from employers fell 28.4 percent from October, to 10,161 in November. The Employment Services Division made 25,370 job referrals and 6,445 placements.

The LMI Division is producing a new publication, *Leading Indicators*. This publication will contain indexes of leading economic indicators for Ohio and its eight largest metropolitan areas.

See pages 14 and 15 for more information.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Nov. 1988	Oct. 1988	Nov. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,345	5,311	5,263	34	82	0.6	1.6
Employment	5,041	5,016	4,945	25	96	0.5	1.9
Unemployment	304	295	318	9	-14	3.1	-4.4
Unemployment Rate	5.7	5.6	6.0				
Employer Survey Data[e]							
Total	4,736	4,720	4,626	16	110	0.3	2.4
Manufacturing	1,111	1,106	1,100	4	10	0.4	0.9
Durable Goods	746	742	738	4	8	0.5	1.0
Nondurable Goods	365	364	362	1	3	0.2	0.7
Nonmanufacturing	3,625	3,613	3,526	12	100	0.3	2.8
Mining	20	20	20	0	0	-0.5	-1.5
Construction	195	192	182	3	13	1.4	7.0
Transportation and Public Utilities	210	210	207	0	3	0.2	1.4
Wholesale Trade	260	259	252	0	8	0.2	3.2
Retail Trade	885	881	857	4	28	0.5	3.3
Finance, Insurance, and Real Estate	253	253	246	0	7	0.1	2.8
Services	1,108	1,104	1,069	4	39	0.4	3.7
Government	694	694	692	1	2	0.1	0.3
Goods Producing Industries[f]	1,325	1,318	1,303	7	23	0.5	1.7
Service Producing Industries[g]	3,411	3,401	3,323	10	87	0.3	2.6

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f]Includes Mining, Construction, and Manufacturing. [g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	US	
					1986
5,265	4,868	397	7.5	6.9	November
5,275	4,854	421	8.0	6.7	December
					1987
5,276	4,849	427	8.1	6.7	January
5,295	4,850	445	8.4	6.6	February
5,237	4,838	399	7.6	6.5	March
5,236	4,854	382	7.3	6.3	April
5,277	4,884	393	7.4	6.3	May
5,251	4,874	377	7.2	6.1	June
5,252	4,886	366	7.0	6.0	July
5,234	4,873	361	6.9	6.0	August
5,181	4,891	290	5.6	5.9	September
5,215	4,900	315	6.0	6.0	October
5,263	4,945	318	6.0	5.9	November
5,264	4,937	327	6.2	5.8	December
					1988
5,330	4,983	347	6.5	5.8	January
5,355	5,013	342	6.4	5.7	February
5,369	4,958	411	7.7	5.6	March
5,277	4,945	332	6.3	5.4	April
5,248	4,922	326	6.2	5.6	May
5,271	4,959	312	5.9	5.3	June
5,252	4,973	279	5.3	5.4	July
5,298	5,000	298	5.6	5.6	August
5,251	4,947	304	5.8	5.4	September
5,311	5,016	295	5.6	5.3	October
5,345	5,041	304	5.7	5.4	November

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

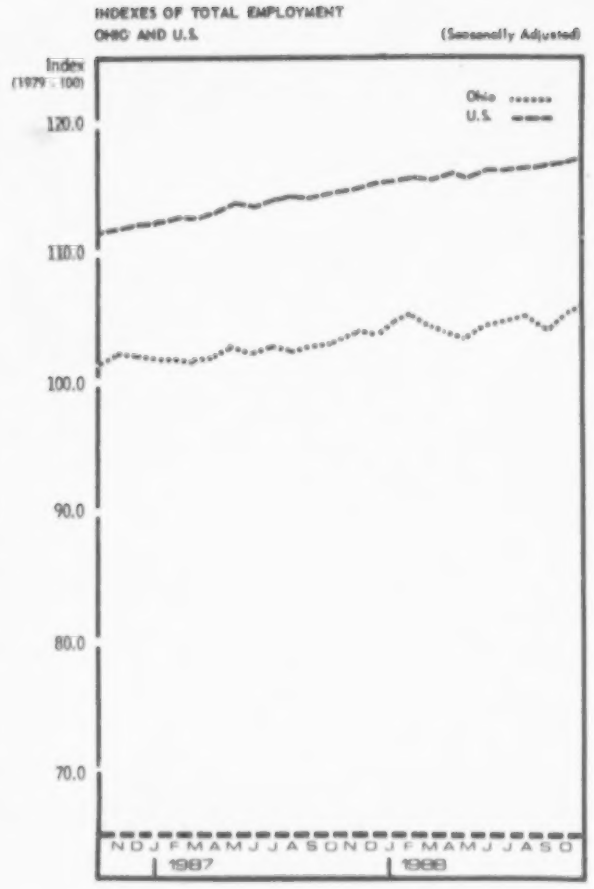
Total Nonagricultural	Manufacturing		
		Durable	Nondurable
4,509	1,102	744	358
4,521	1,103	745	357
4,532	1,096	740	356
4,549	1,099	742	357
4,552	1,093	737	356
4,552	1,096	738	357
4,560	1,094	736	357
4,568	1,092	735	357
4,567	1,082	725	358
4,589	1,095	734	360
4,597	1,097	737	360
4,610	1,097	736	361
4,626	1,100	738	362
4,639	1,103	739	364
4,654	1,104	739	366
4,665	1,102	737	364
4,667	1,096	732	364
4,667	1,099	736	363
4,673	1,099	736	362
4,682	1,100	737	363
4,687	1,099	736	363
4,689	1,098	736	362
4,700	1,098	736	362
4,720	1,106	742	364
4,736	1,111	746	365

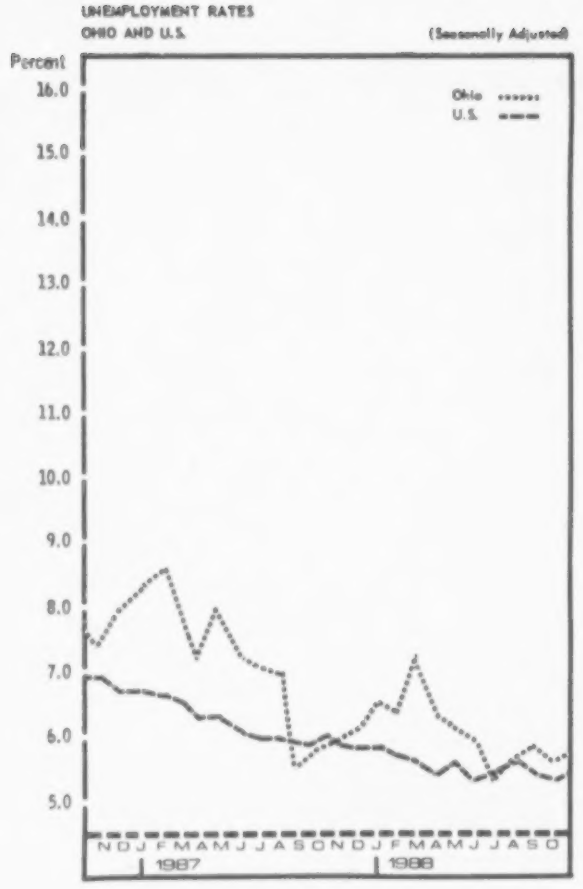
Ohio Nonmanufacturing Wage & Salary Employment

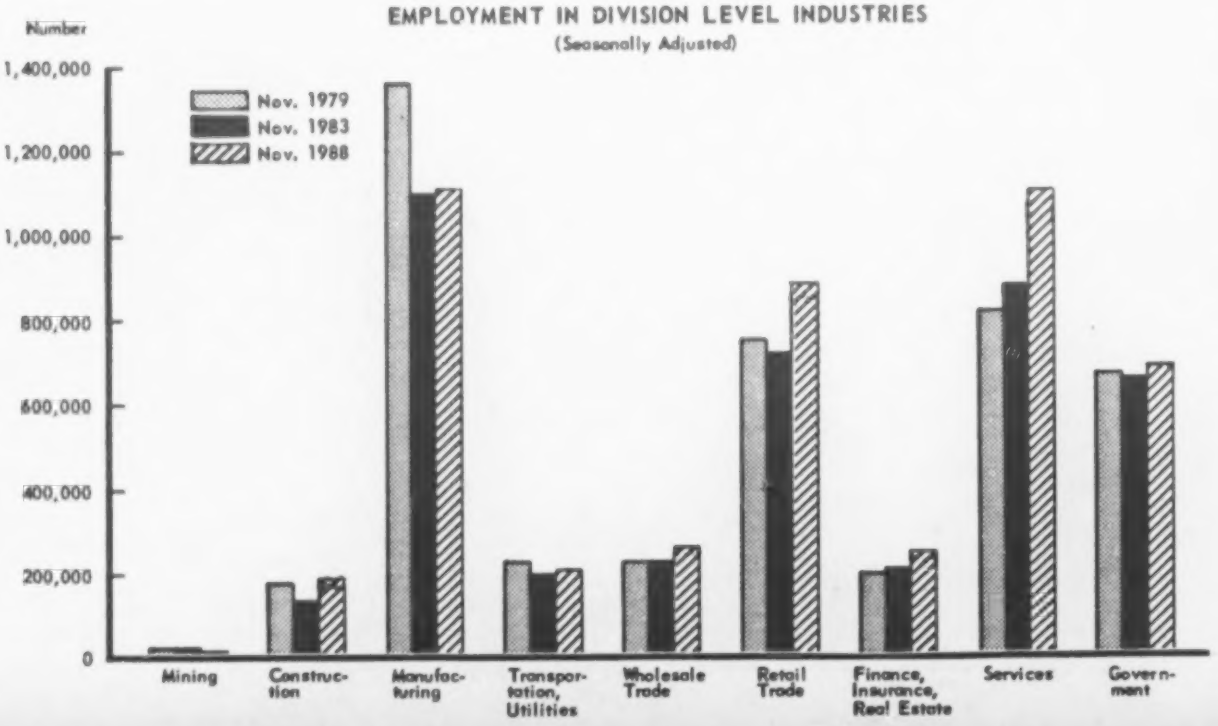
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1986				
3,406	22	164	206	244	November	828	238	1023	682
3,418	22	166	206	244	December	830	239	1028	684
					1987				
3,436	22	173	206	245	January	836	239	1029	686
3,451	22	174	206	246	February	842	240	1035	686
3,459	21	175	206	246	March	845	241	1038	687
3,457	21	173	206	247	April	841	241	1040	687
3,467	21	174	207	248	May	844	242	1044	687
3,476	21	175	207	248	June	845	243	1049	688
3,484	21	176	207	249	July	847	244	1054	686
3,494	21	177	207	250	August	850	245	1057	688
3,500	21	178	207	251	September	852	245	1060	686
3,514	20	180	208	251	October	855	246	1064	690
3,526	20	182	207	252	November	857	246	1069	692
3,536	20	185	208	253	December	859	247	1072	693
					1988				
3,550	20	191	208	253	January	864	248	1075	689
3,563	20	192	207	254	February	869	249	1079	692
3,572	20	192	208	254	March	870	249	1084	694
3,568	20	191	209	254	April	868	250	1084	693
3,574	20	190	209	254	May	869	250	1088	693
3,582	20	191	209	256	June	870	250	1092	694
3,588	20	191	210	256	July	873	251	1094	693
3,591	20	191	210	257	August	875	252	1098	688
3,602	20	192	210	258	September	876	252	1101	693
3,613	20	192	210	259	October	881	253	1104	694
3,625	20	195	210	260	November	885	253	1108	694

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.


INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)
Index
(1979 = 100)
120.0
110.0
100.0
90.0
80.0
70.0
Ohio
U.S.
N D J F M A M J J A S O N D J F M A M J J A S O
1987
1988


UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)
Percent
16.0
15.0
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
Ohio
U.S.
N D J F M A M J J A S O N D J F M A M J J A S O
1987
1988


EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)
Number
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
Nov. 1979
Nov. 1983
Nov. 1988
Mining
Construction
Manufacturing
Transportation, Utilities
Wholesale Trade
Retail Trade
Finance, Insurance, Real Estate
Services
Government

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
4,833	4,520	312	6.5	7.1	1977
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,231	4,806	425	8.1	7.0	1986
5,248	4,881	367	7.0	6.2	1987
					1987
5,285	4,980	305	5.8	5.6	November
5,259	4,937	322	6.1	5.4	December
					1988
5,258	4,883	375	7.1	6.3	January
5,279	4,905	374	7.1	6.2	February
5,295	4,879	416	7.9	5.9	March
5,257	4,941	316	6.0	5.3	April
5,243	4,941	302	5.8	5.4	May
5,325	5,002	323	6.1	5.5	June
5,336	5,064	272	5.1	5.5	July
5,343	5,044	299	5.6	5.4	August
5,251	4,952	300	5.7	5.2	September
5,327	5,052	276	5.2	5.0	October
5,360	5,075	284	5.3	5.2	November

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Total Nonagricultural	Manufacturing			
		Durable	Nondurable	
4,230.1	1,344.1	945.2	398.9	1977
4,394.9	1,377.2	974.5	402.7	1978
4,484.8	1,382.3	980.5	401.8	1979
4,367.4	1,264.3	882.6	381.8	1980
4,317.7	1,232.6	860.4	372.2	1981
4,124.3	1,099.9	752.4	347.5	1982
4,092.5	1,066.0	723.6	342.4	1983
4,260.2	1,127.0	773.4	353.6	1984
4,372.9	1,124.3	768.7	355.5	1985
4,471.4	1,109.8	752.7	357.1	1986
4,578.9	1,095.3	736.4	358.9	1987
				1987
4,674.2	1,103.7	740.2	363.6	November
4,676.9	1,102.9	738.6	364.3	December
				1988
4,565.8	1,094.5	732.6	361.9	January
4,568.8	1,092.4	732.3	360.1	February
4,595.8	1,088.8	729.0	359.7	March
4,653.9	1,097.7	737.1	360.6	April
4,704.6	1,099.7	738.4	361.3	May
4,728.6	1,106.7	742.1	364.7	June
4,692.8	1,100.0	736.6	363.3	July
4,693.3	1,101.2	735.6	365.6	August
4,745.2	1,109.4	740.7	368.7	September
4,770.6	1,109.1	742.8	366.4	October
4,845.1	1,113.9	747.8	366.1	November

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.6	20.9	177.0	206.9	248.7	1987	847.7	243.1	1,051.2	688.1
					1987				
3,570.4	20.8	192.7	209.6	252.2	November	873.9	246.2	1,067.5	707.6
3,573.9	20.5	182.9	209.6	252.8	December	887.8	246.7	1,064.7	708.9
					1988				
3,471.3	20.1	163.5	203.3	250.9	January	846.2	245.9	1,047.8	693.6
3,476.4	19.7	158.9	202.3	250.8	February	838.0	246.4	1,056.5	703.7
3,507.1	19.5	165.5	204.5	251.6	March	843.1	247.1	1,066.9	708.9
3,556.2	19.8	179.1	207.2	253.4	April	857.3	248.6	1,085.1	705.8
3,605.0	19.9	191.0	209.3	255.3	May	870.9	250.1	1,098.0	710.5
3,621.9	20.3	200.1	210.9	257.6	June	877.4	252.5	1,109.4	693.7
3,592.8	20.5	209.0	211.2	257.9	July	878.8	253.9	1,108.4	653.2
3,592.0	20.5	212.2	211.7	258.1	August	883.8	254.4	1,110.1	641.3
3,635.9	20.5	211.6	212.5	258.3	September	885.7	252.9	1,115.2	679.0
3,661.4	20.5	212.4	212.7	260.3	October	889.1	253.1	1,110.6	702.8
3,731.2	20.4	206.2	212.4	260.2	November	902.8	253.1	1,106.8	769.3

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment
(in thousands)

Manufacturing				**Production Workers in Manufacturing**		
	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,344.1	945.2	398.9	1977	958.0	$271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,095.3	736.4	358.9	1987	748.5	374.0	31.9
			1987			
1,103.7	740.2	363.6	November	759.0	388.2	32.8
1,102.9	738.6	364.3	December	758.6	388.9	32.8
			1988			
1,094.5	732.6	361.9	January	750.1	380.8	32.1
1,092.4	732.3	360.1	February	748.5	376.4	31.7
1,088.8	729.0	359.7	March	744.5	378.6	31.8
1,097.7	737.1	360.6	April	752.3	388.8	32.4
1,099.7	738.4	361.3	May	754.3	389.5	32.4
1,106.7	742.1	364.7	June	759.3	396.2	32.9
1,100.0	736.6	363.3	July	751.9	377.8	31.8
1,101.2	735.6	365.6	August	753.6	380.6	32.0
1,109.4	740.7	368.7	September	762.7	398.0	33.0
1,109.1	742.8	366.4	October	762.3	398.7	33.0
1,113.9	747.8	366.1	November	767.0	409.2	33.6

Production Workers Average Weekly Earnings

Manufacturing				**Production Workers Average Weekly Hours**				**Production Workers Average Hourly Earnings**			
	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods	
$283.08	$292.02	$258.34	1977	42.0	42.2	41.4	1977	$6.74	$6.92	$6.24	1977
306.91	316.83	279.30	1978	42.1	42.3	41.5	1978	7.29	7.49	6.73	1978
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25	1979
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96	1980
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80	1981
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38	1982
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77	1983
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02	1984
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31	1985
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57	1986
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86	1987
			1987				1987				
511.49	531.57	466.90	November	43.2	43.5	42.6	November	11.84	12.22	10.96	November
512.67	532.36	469.27	December	43.3	43.6	42.7	December	11.84	12.21	10.99	December
			1988				1988				
507.61	527.11	464.45	January	42.8	43.1	42.3	January	11.86	12.23	10.98	January
502.86	525.16	454.27	February	42.4	42.8	41.6	February	11.86	12.27	10.92	February
508.56	530.56	460.74	March	42.7	43.1	42.0	March	11.91	12.31	10.97	March
516.86	538.22	465.89	April	43.0	43.3	42.2	April	12.02	12.43	11.04	April
516.43	540.27	460.90	May	43.0	43.5	41.9	May	12.01	12.42	11.00	May
521.77	547.87	464.62	June	43.3	43.9	42.2	June	12.05	12.48	11.01	June
502.52	521.85	461.47	July	42.3	42.6	41.8	July	11.88	12.25	11.04	July
504.98	525.21	460.22	August	42.4	42.7	41.8	August	11.91	12.30	11.01	August
521.77	545.38	469.63	September	43.3	43.7	42.5	September	12.05	12.48	11.05	September
523.06	546.69	467.84	October	43.3	43.7	42.3	October	12.08	12.51	11.06	October
533.48	557.80	474.82	November	43.8	44.2	42.7	November	12.18	12.62	11.12	November

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

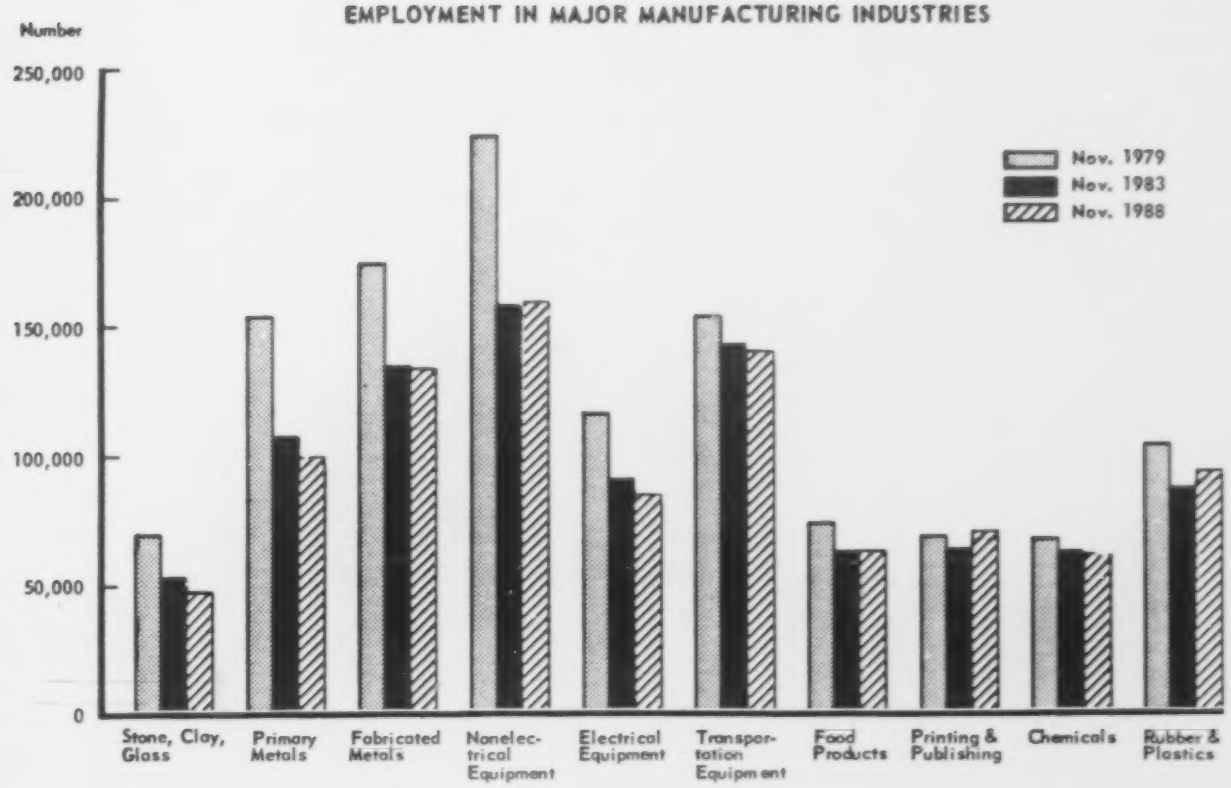
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.5	97.6	133.1	February	154.8	85.9	142.4	February	62.0	70.8	93.8
47.2	98.5	133.7	March	155.4	85.4	136.3	March	62.0	71.1	93.4
47.8	98.3	134.2	April	156.2	85.2	142.0	April	62.1	70.7	94.1
48.3	99.2	134.8	May	155.6	85.5	141.3	May	62.4	70.5	94.1
49.0	99.6	135.8	June	156.7	85.8	140.5	June	63.6	71.1	94.8
48.9	97.7	134.0	July	157.3	84.7	139.5	July	63.4	71.1	93.4
49.0	98.3	132.3	August	157.1	85.2	139.1	August	64.9	71.2	94.0
48.6	100.4	134.6	September	158.4	85.3	138.0	September	67.4	71.5	94.3
48.5	100.1	134.7	October	158.9	85.9	139.2	October	65.0	71.7	94.9
48.7	100.7	135.6	November	160.3	85.8	141.2	November	64.7	71.7	94.9

Average Weekly Earnings of Production Workers

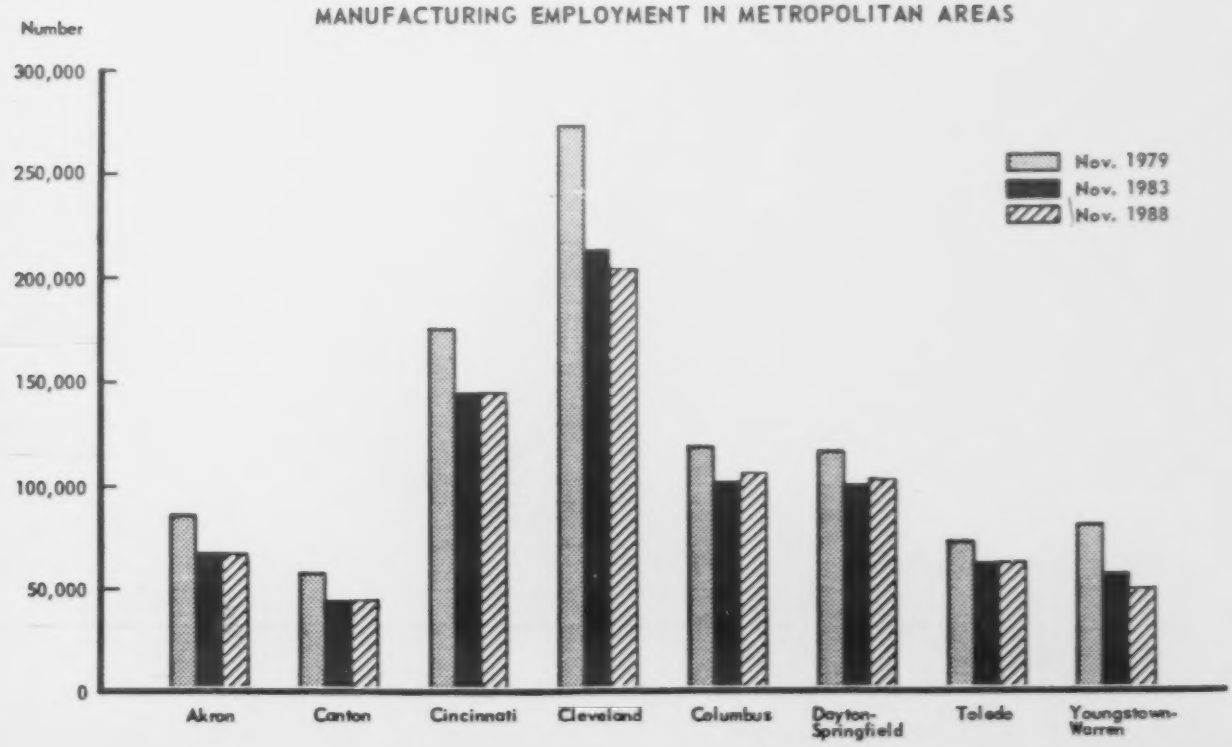
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
$253.95	$329.54	$290.44	1977	$279.18	$248.44	$359.20	1977	$258.54	$271.96	$263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
468.47	628.60	522.97	October	537.14	470.12	699.79	October	440.37	448.33	454.14
472.81	640.68	530.61	November	546.35	477.14	720.59	November	452.19	451.73	462.88

[a]Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1988[b]	October 1988[c]	November 1987[c]	From Last Month	From Last Year
TOTAL	4845.1	4770.6	4674.2	74.5	170.9
MANUFACTURING	1113.9	1109.1	1103.7	4.7	10.1
Durable Goods[e]	747.8	742.8	740.2	5.0	7.6
Lumber and wood products	23.0	23.0	20.6	.0	2.5
Furniture and fixtures	14.2	14.3	14.6	- .1	- .3
Stone, clay, and glass products	48.7	48.5	48.3	.1	.4
Glass and glassware, pressed or blown.	9.8	9.7	9.7	.1	.0
Primary metal industries	100.7	100.1	98.2	.6	2.5
Blast furnace and basic steel products	45.3	44.8	44.1	.5	1.2
Iron and steel foundries	21.8	21.6	20.8	.2	1.1
Nonferrous rolling and drawing	18.1	18.1	17.7	.0	.4
Fabricated metal products	135.6	134.7	135.0	.8	.6
Cutlery, hand tools, and hardware	9.9	9.9	9.9	.0	.0
Fabricated structural metal products	28.5	28.6	29.3	- .1	- .8
Metal forgings and stampings	42.9	42.3	42.8	.5	.1
Machinery, except electrical	160.3	158.9	154.4	1.4	5.9
Construction and related machinery	12.6	12.6	12.4	.0	.2
Metalworking machinery	40.8	40.6	39.5	.2	1.2
Special industry machinery	18.2	18.0	16.6	.3	1.6
General industrial machinery	28.3	28.1	27.4	.1	.9
Office and computing machines	13.2	13.0	13.8	.1	- .6
Refrigeration and service machinery	16.1	15.9	15.6	.2	.4
Electric and electronic equipment	85.8	85.9	86.2	.0	- .4
Electrical industrial apparatus	17.1	17.1	16.0	.0	1.1
Household appliances	15.6	15.5	15.9	.1	- .3
Electric lighting and wiring equipment	17.1	17.4	17.0	- .3	.1
Communication equipment	9.8	9.8	10.1	.1	- .3
Transportation equipment	141.2	139.2	145.3	2.0	- 4.1
Motor vehicles and equipment	93.7	93.0	94.6	.8	- .9
Aircraft and parts	38.2	36.9	41.1	1.3	- 2.9
Instruments and related products	23.5	23.4	23.5	.1	.0
Measuring and controlling devices	12.8	12.8	13.0	.0	- .2
Nondurable Goods[f]	366.1	366.4	363.6	- .3	2.5
Food and kindred products	64.7	65.0	63.1	- .3	1.7
Meat products	9.2	9.0	9.7	.2	- .5
Dairy products	10.9	10.9	10.5	.0	.4
Preserved fruits and vegetables	11.3	11.9	10.3	- .6	1.0
Bakery products	9.0	9.1	8.9	- .1	.1
Beverages	9.5	9.6	9.3	- .1	.2
Apparel and other textile products	17.1	16.9	16.5	.2	.6
Paper and allied products	37.6	37.5	37.6	.1	.0
Misc. converted paper products	12.4	12.4	12.2	.0	.2
Paperboard containers and boxes	13.2	13.1	13.2	.1	.0
Printing and publishing	71.7	71.7	71.6	.0	.1
Newspapers	19.4	19.4	19.5	.0	- .1
Commercial printing	26.7	26.7	26.6	- .1	.0
Chemicals and allied products	63.2	63.5	63.3	- .2	- .1
Industrial inorganic chemicals	8.6	8.7	9.4	- .1	- .8
Rubber and misc. plastics products	94.9	94.9	94.7	.0	.2
Tires and inner tubes	17.2	17.2	16.9	.1	.3
Miscellaneous plastics products	56.7	56.9	56.9	- .2	- .3

See footnotes on page 13.

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1988[b]	October 1988[c]	November 1987[c]	From Last Month	From Last Year
NONMANUFACTURING	3731.2	3661.4	3570.4	69.8	160.8
MINING	20.4	20.5	20.8	- .1	- .4
Bituminous coal and lignite mining	8.4	8.5	8.8	- .1	- .4
Oil and gas extraction	7.0	6.9	7.0	.1	.0
CONSTRUCTION	206.2	212.4	192.7	- 6.2	13.5
General building contractors	52.0	52.6	47.5	- .6	4.5
Heavy construction contractors	27.3	30.1	25.9	- 2.8	1.4
Highway and street construction	12.5	14.3	11.4	- 1.9	1.0
Special trade contractors	126.9	129.7	119.3	- 2.8	7.6
TRANSPORTATION AND PUBLIC UTILITIES	212.4	212.7	209.6	- .3	2.9
Railroad transportation	12.9	13.3	13.6	- .4	- .7
Transportation, except railroads	110.8	110.5	106.5	.3	4.3
Trucking and warehousing	76.3	75.8	74.5	.5	1.7
Communication, electric, gas services	88.7	88.8	89.4	- .2	- .8
Communication	47.0	47.1	47.6	- .1	- .6
Electric, gas, and sanitary services	41.7	41.8	41.8	- .1	- .2
WHOLESALE TRADE	260.2	260.3	252.2	.0	8.0
Wholesale trade-durable goods	163.1	163.1	158.7	.0	4.4
Motor vehicles & automotive equipment	22.3	22.4	21.9	- .1	.4
Electrical goods	19.6	19.5	19.7	.1	- .1
Machinery, equipment, and supplies	69.6	69.5	67.8	.1	1.8
Wholesale trade-nondurable goods	97.1	97.2	93.4	- .1	3.7
Groceries and related products	30.5	30.4	29.5	.1	1.0
RETAIL TRADE	902.8	889.1	873.9	13.8	28.9
General merchandise stores	129.4	122.4	128.5	7.0	.9
Department stores	112.1	105.8	112.1	6.3	.0
Food stores	139.4	136.9	133.5	2.5	5.8
Automotive dealers & service stations	96.8	97.3	93.9	- .4	3.0
Apparel and accessory stores	46.9	45.3	44.1	1.6	2.8
Eating and drinking places	308.2	309.2	300.0	- .9	8.3
FINANCE, INSURANCE, AND REAL ESTATE	253.1	253.1	246.2	.0	6.9
Banking	64.4	64.5	63.3	- .1	1.1
Credit agencies other than banks	37.9	37.9	37.7	.0	.3
Insurance carriers	70.1	69.9	68.6	.2	1.5
Life insurance	26.0	25.9	25.8	.0	.2
Fire, marine, and casualty insurance	31.1	31.0	30.5	.1	.5
SERVICES	1106.8	1110.6	1067.5	- 3.8	39.3
Hotels and other lodging places	35.2	35.6	34.1	- .4	1.1
Personal services	59.1	59.0	56.9	.1	2.2
Laundry, cleaning, & garment services	19.9	19.8	19.3	.1	.6
Business services	230.7	230.6	216.1	.2	14.6
Services to buildings	32.0	32.0	30.1	.0	2.0
Computer and data processing services	21.3	21.2	19.4	.1	2.0
Amusement and recreation services	34.2	38.3	35.7	- 4.1	- 1.5
Health services	374.9	375.1	364.9	- .2	10.0
Nursing and personal care facilities	83.2	83.3	80.7	- .1	2.5
Hospitals	179.8	180.2	178.1	- .4	1.6
Educational services	67.3	66.0	65.8	1.4	1.5
Colleges and universities	37.6	36.7	36.4	.9	1.2
GOVERNMENT	769.3	702.8	707.6	66.5	61.7
Federal government	94.9	94.7	95.3	.2	- .4
State government	164.0	161.6	160.4	2.4	3.7
State government education[1]	90.3	87.8	87.3	2.4	3.0
State government, except education	73.7	73.7	73.1	.0	.7
Local government	510.3	446.5	451.9	63.8	58.4
Local government education	264.2	260.0	267.5	4.2	- 3.3
Local government, except education	246.2	186.5	184.4	59.7	61.8

See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]
MANUFACTURING	$533.48	$523.06	$511.49	43.8	43.3	43.2	$12.18	$12.08	$11.84
Durable Goods[e]	557.80	546.69	531.57	44.2	43.7	43.5	12.62	12.51	12.22
Lumber and wood products	329.70	327.96	302.17	42.0	42.4	41.0	7.85	7.79	7.37
Furniture and fixtures	380.80	366.79	359.51	41.8	40.8	40.9	9.11	8.99	8.79
Stone, clay, and glass products	472.81	468.47	457.53	43.1	42.9	42.8	10.97	10.92	10.69
Glass and glassware, pressed or blown.	498.93	509.12	469.45	42.9	43.0	40.4	11.63	11.84	11.62
Primary metal industries	640.68	628.60	614.66	45.6	44.9	44.8	14.05	14.00	13.72
Blast furnace and basic steel products	638.40	636.53	641.59	44.8	44.7	45.6	14.25	14.24	14.07
Iron and steel foundries	697.25	669.76	634.89	47.4	46.0	44.9	14.71	14.56	14.14
Nonferrous rolling and drawing	672.72	661.42	628.30	44.2	43.4	42.8	15.22	15.24	14.68
Fabricated metal products	530.61	522.97	511.06	43.6	43.4	43.2	12.17	12.05	11.83
Cutlery, hand tools, and hardware	517.48	490.84	496.90	41.8	40.7	41.1	12.38	12.06	12.09
Fabricated structural metal products	464.03	463.86	467.86	42.3	42.4	43.2	10.97	10.94	10.83
Metal forgings and stampings	664.55	644.47	620.65	45.3	44.6	43.8	14.67	14.45	14.17
Machinery, except electrical	546.35	537.14	521.70	44.6	44.1	44.1	12.25	12.18	11.83
Construction and related machinery	452.81	431.01	428.40	42.2	40.7	42.0	10.73	10.59	10.20
Metalworking machinery	528.71	519.30	504.87	45.5	45.0	44.6	11.62	11.54	11.32
Special industry machinery	525.33	520.95	499.49	45.8	45.3	43.7	11.47	11.50	11.43
General industrial machinery	564.12	541.80	546.75	43.9	43.0	44.2	12.85	12.60	12.37
Office and computing machines	449.76	453.11	426.82	41.3	41.8	43.2	10.89	10.84	9.88
Refrigeration and service machinery	635.63	642.52	582.34	44.7	44.9	42.6	14.22	14.31	13.67
Electric and electronic equipment	477.14	470.12	475.58	42.3	41.9	42.5	11.28	11.22	11.19
Electrical industrial apparatus	487.08	486.42	484.63	44.0	44.1	43.7	11.07	11.03	11.09
Household appliances	489.23	486.02	486.74	40.6	40.3	40.8	12.05	12.06	11.93
Electric lighting and wiring equipment	494.38	478.72	478.82	42.4	41.7	42.6	11.66	11.48	11.24
Communication equipment	458.57	459.76	488.87	39.6	39.6	41.5	11.58	11.61	11.78
Transportation equipment	720.59	699.79	653.43	46.4	45.5	44.3	15.53	15.38	14.75
Motor vehicles and equipment	758.31	735.76	674.18	47.1	46.1	44.5	16.10	15.96	15.15
Aircraft and parts	628.54	599.18	621.45	44.8	43.8	45.0	14.03	13.68	13.81
Instruments and related products	378.51	376.48	369.36	40.7	40.7	40.5	9.30	9.25	9.12
Measuring and controlling devices	366.28	365.24	352.94	39.3	39.4	38.7	9.32	9.27	9.12
Nondurable Goods[f]	474.82	467.84	466.90	42.7	42.3	42.6	11.12	11.06	10.96
Food and kindred products	452.19	440.37	444.15	42.3	42.1	42.3	10.69	10.46	10.50
Meat products	358.69	363.21	397.03	40.9	41.7	42.6	8.77	8.71	9.32
Dairy products	484.85	449.86	464.10	44.4	42.4	42.5	10.92	10.61	10.92
Preserved fruits and vegetables	479.54	461.36	452.52	42.4	42.6	41.9	11.31	10.83	10.80
Bakery products	487.90	468.45	472.28	41.0	39.8	40.4	11.90	11.77	11.69
Beverages	424.68	440.91	413.03	40.6	41.4	40.1	10.46	10.65	10.30
Apparel and other textile products	315.82	308.73	299.60	41.5	41.0	40.0	7.61	7.53	7.49
Paper and allied products	510.96	498.27	492.62	44.9	43.9	44.3	11.38	11.35	11.12
Misc. converted paper products	442.88	430.72	441.23	44.2	42.9	43.6	10.02	10.04	10.12
Paperboard containers and boxes	454.96	440.15	428.67	44.0	42.9	43.3	10.34	10.26	9.90
Printing and publishing	451.73	448.33	446.00	39.8	39.5	40.0	11.35	11.35	11.15
Newspapers	388.96	381.64	390.20	35.2	34.6	35.7	11.05	11.03	10.93
Commercial printing	455.94	449.49	441.79	41.6	41.2	41.6	10.96	10.91	10.62
Chemicals and allied products	565.85	554.17	562.89	42.9	42.4	43.5	13.19	13.07	12.94
Industrial inorganic chemicals	613.82	601.66	627.88	45.3	44.9	45.4	13.55	13.40	13.83
Rubber and misc. plastics products	462.88	454.14	454.31	44.0	43.5	43.6	10.52	10.44	10.42
Tires and inner tubes	676.20	667.58	657.95	46.0	45.6	46.4	14.70	14.64	14.18
Miscellaneous plastics products	445.88	438.34	436.46	43.8	43.4	43.3	10.18	10.10	10.08

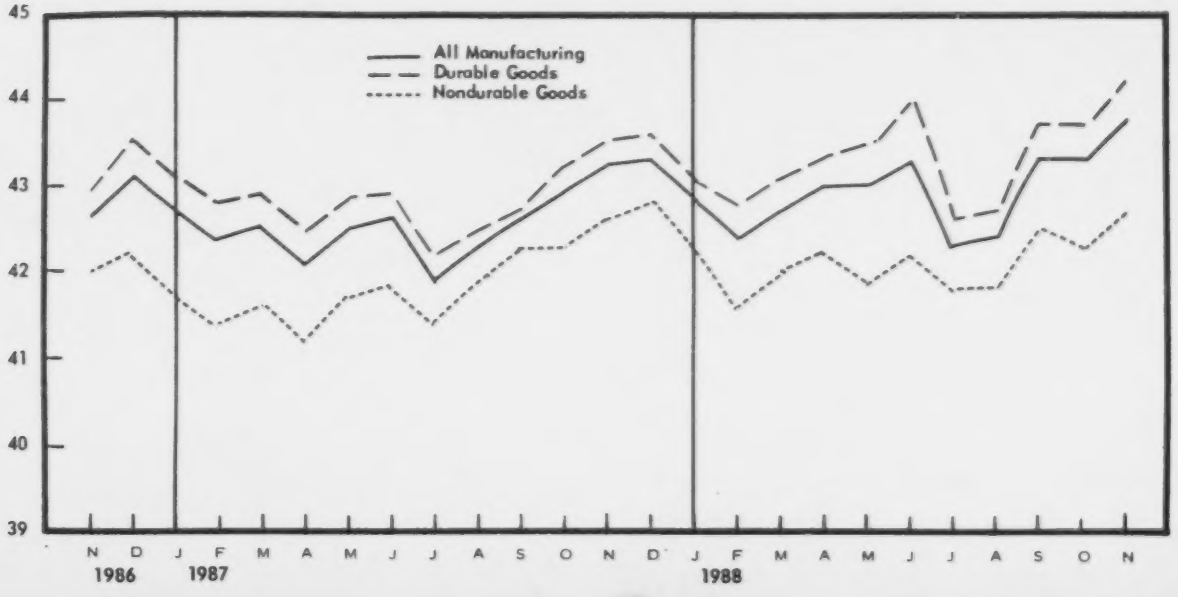
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]
MINING	$556.80	$549.07	$543.37	43.5	43.2	43.4	$12.80	$12.71	$12.52
Bituminous coal and lignite mining	662.86	657.70	655.78	41.9	41.6	42.5	15.82	15.81	15.43
CONSTRUCTION	610.64	617.42	589.25	40.2	40.7	39.6	15.19	15.17	14.88
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	577.51	571.02	558.81	40.9	40.7	40.7	14.12	14.03	13.73
Communication	557.92	548.97	541.35	40.4	40.1	40.1	13.81	13.69	13.50
Electric, gas, and sanitary services	602.37	598.85	582.25	41.6	41.5	41.5	14.48	14.43	14.03
WHOLESALE TRADE	395.75	399.06	386.50	39.3	39.2	39.6	10.07	10.18	9.76
Wholesale trade-durable goods	388.86	388.83	378.97	39.2	39.0	39.6	9.92	9.97	9.57
Wholesale trade-nondurable goods	406.61	416.59	399.17	39.4	39.6	39.6	10.32	10.52	10.08
RETAIL TRADE[h]	168.17	167.31	161.03	28.6	28.6	28.3	5.88	5.85	5.69
General merchandise stores	178.35	179.07	171.08	28.4	28.2	28.0	6.28	6.35	6.11
Department stores	183.04	184.32	174.72	28.6	28.4	28.0	6.40	6.49	6.24
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	265.01	266.06	258.76	....	....	....	.....	.....	.....
Credit agencies other than banks	273.05	272.34	255.02	....	....	....	.....	.....	.....
Insurance carriers	379.30	378.13	354.50	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	343.25	340.96	332.23	33.1	33.2	32.7	10.37	10.27	10.16

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



Leading Indicators

The Labor Market Information Division of the Ohio Bureau of Employment Services is pleased to announce a new monthly publication. The first issue (January 1989 data) of *Leading Indicators* will be available in early March 1989. This publication will present leading indicator indexes of the economy that have been developed for Ohio and for its eight largest metropolitan areas. Like the national composite index of leading indicators, these indexes are designed to anticipate changes in the local economy based on changes in key component indicators of economic activity.

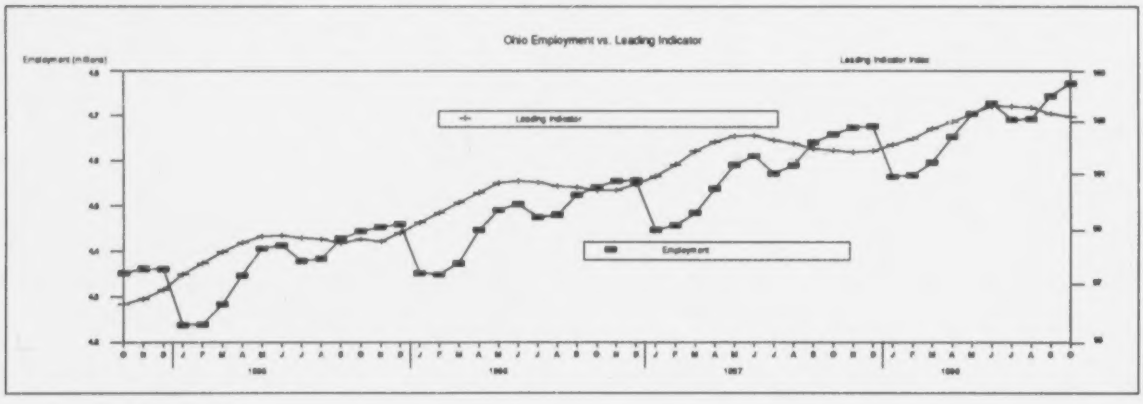
The five components chosen to form the composite index for each area were based on the following criteria:

1) economic plausibility as a leading indicator,
2) statistical ability to explain employment variation over the business cycle, and
3) timely availability of consistent monthly observations.

Five series consistently explained a large portion of employment variation and business cycle movement in each of the geographic areas. Two of these, the national composite index of leading indicators and domestic auto production, are common component indicators for each of the areas. The three remaining indicators, specific to the geographic area, are: valuation of housing authorized by building permits, initial claims for unemployment insurance, and average weekly hours in manufacturing.

At the national level, the Gross National Product is an acceptable measure of general levels of economic activity, but no reliable monthly measure of the dollar value of goods and services produced at the state level exists. The measure chosen to assess the performance of the local economy in each respective area is nonagricultural wage and salary employment. It is very important to note that, unlike the national composite index which foreshadows only business cycle turning points, these indexes also anticipate seasonal fluctuations. However, the amount of seasonal variability in the indicator has been reduced by computing a six-month moving average.

A chart comparing the relationship of the Ohio composite index to employment is shown below. In addition, a brief narrative, data, and charts on each of the components for every area will be included.

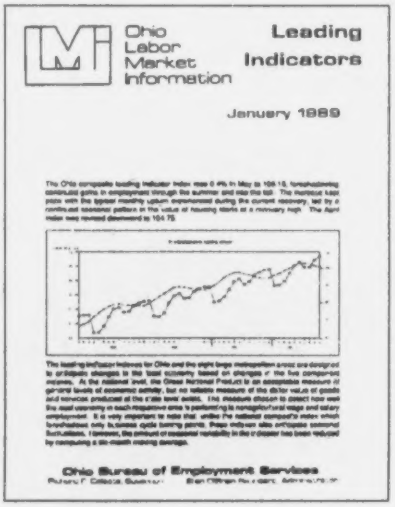


An econometric approach to determining the weight of each component was employed. The weights chosen maximize the out–of–sample ability of the index to detect changes in economic activity. It should be noted that these weights, unlike those in some other methods, are dynamic; that is, they change slowly over time as new least-squares projections are made each month. Each of the MSA and Ohio moving average composite indicators is indexed on the 1979 average employment level in the respective area.

You can receive the *Leading Indicators*, free of charge, by completing the information below, detaching (or copying), and returning to:

Ohio Bureau of Employment Services
LMI Division
Attn: Statistical Services
145 South Front Street
Columbus, OH 43215

Please add my name to the mailing list for the *Leading Indicators* publication


Ohio Labor Market Information

Leading Indicators

January 1989

Ohio Bureau of Employment Services

Name: _____

Organization: _____

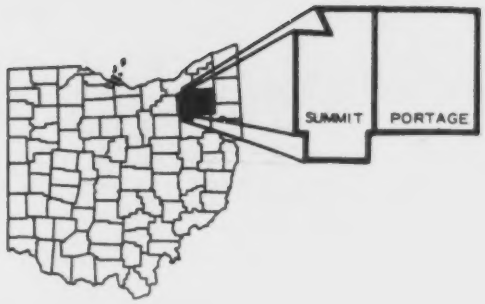
Address: _____

City: _____

State: _____

Zip Code: _____

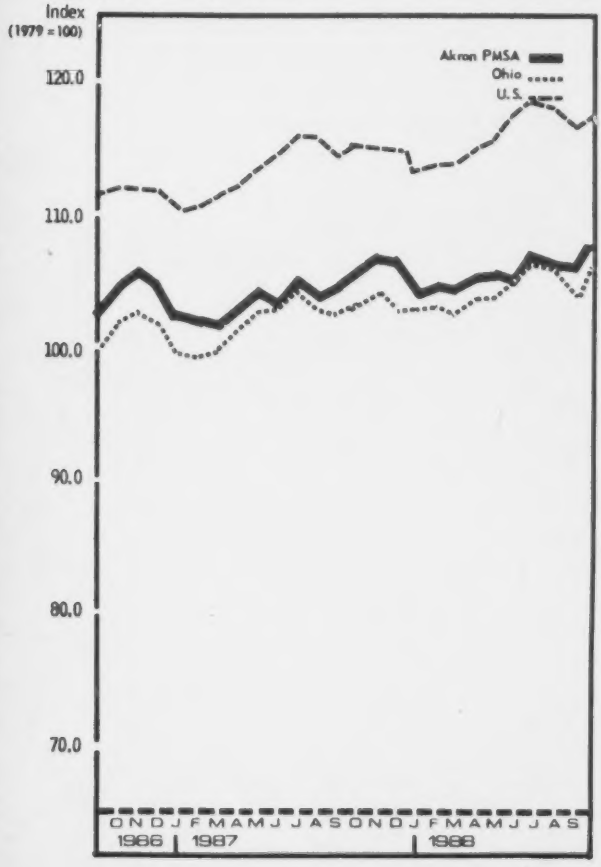
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



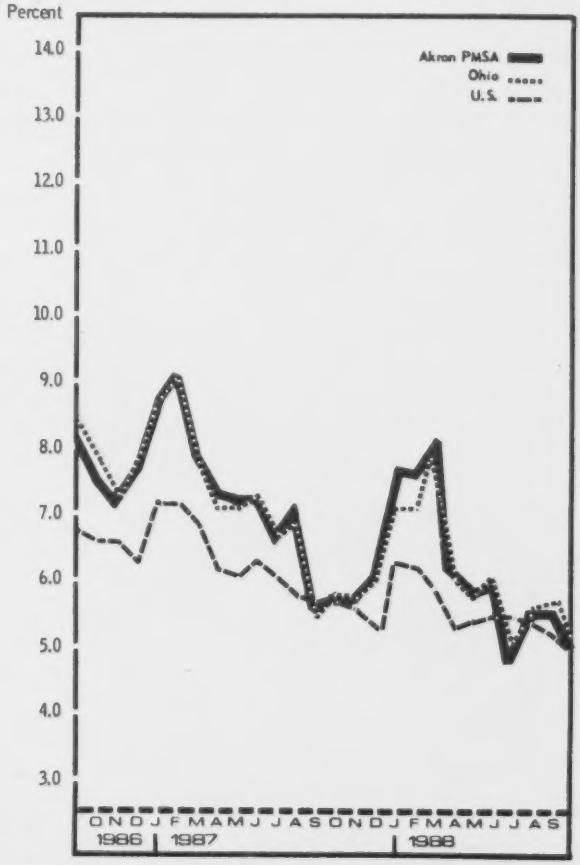
Nonagricultural wage and salary employment in the Akron metropolitan area totaled 280,100 in November 1988, increasing 4,000 from October. The hiring of temporary election workers helped raise nonmanufacturing employment 2,600. Seasonal increases in retail trade nearly offset declines in services and construction. Manufacturing industries added 1,500 workers over the month, to 67,800, due to the settlement of a labor-management dispute in transportation equipment. Factory production workers averaged $11.60 per hour, up $.18 from October. Their average workweek was unchanged at 42.8 hours.

Total nonfarm payroll employment advanced 8,600 between November 1987 and November 1988. Primary growth sectors were services, local government, and retail trade. Manufacturing employment increased 600 over the year. Growth in nonelectrical machinery and miscellaneous plastics products outweighed reductions in fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



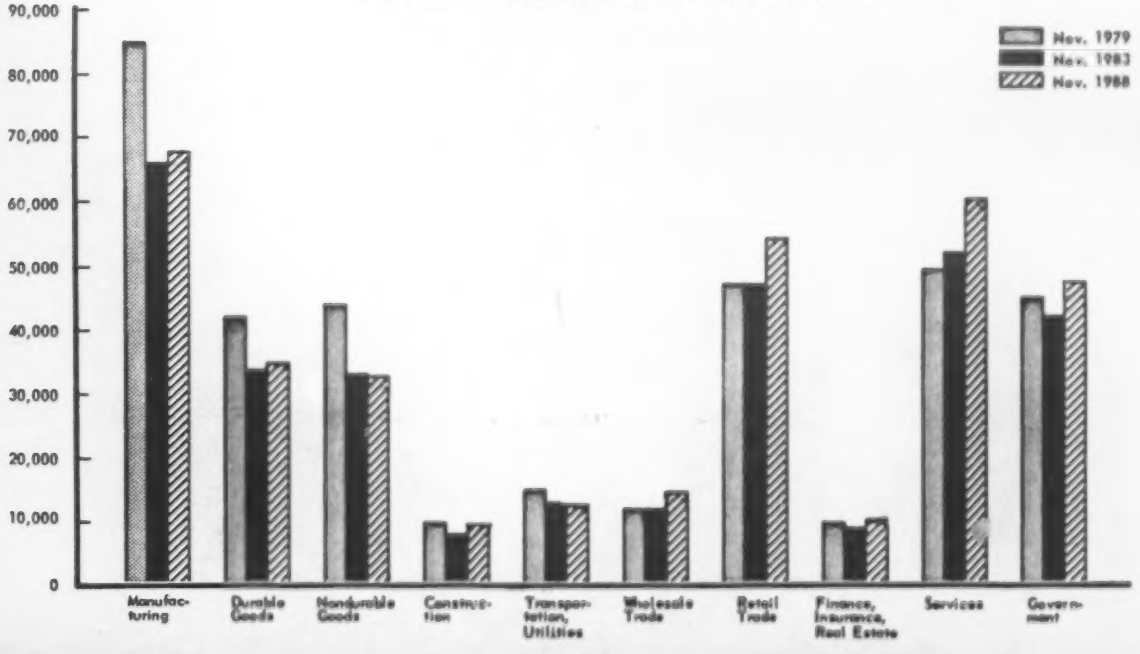
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	$285.53	42.3	$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1987						
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	265.5	66.6	36.5	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	267.5	66.7	36.8	495.07	43.2	11.46
321.0	301.1	19.8	6.2	April	270.1	66.9	36.8	512.60	43.7	11.73
319.5	301.0	18.5	5.8	May	273.1	66.8	37.0	504.88	43.3	11.66
319.5	300.5	19.0	6.0	June	269.6	67.5	37.3	518.62	44.1	11.76
321.5	306.1	15.4	4.8	July	269.7	67.1	37.0	493.93	43.1	11.46
321.2	303.4	17.8	5.5	August	268.0	65.8	35.6	480.53	42.6	11.28
321.4	303.7	17.7	5.5	September	275.9	66.3	36.3	489.89	43.2	11.34
324.3	308.0	16.3	5.0	October	276.1	66.3	36.4	488.78	42.8	11.42
INA	INA	INA	INA	November	280.1	67.8	37.9	496.48	42.8	11.60

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1988[b]	October 1988[c]	November 1987[c]	From Last Month	From Last Year
TOTAL	280.1	276.1	271.6	4.0	8.6
MANUFACTURING	67.8	66.3	67.1	1.5	.6
Durable Goods[e]	34.9	33.6	34.9	1.3	.1
Fabricated metal products	11.3	11.3	12.0	.0	- .7
Machinery, except electrical	10.3	10.2	9.5	.0	.8
Metalworking machinery	3.6	3.6	3.3	.0	.3
Nondurable Goods[f]	32.8	32.7	32.3	.2	.6
Food and kindred products	3.0	2.9	3.0	.0	- .1
Chemicals and allied products	2.9	2.9	3.1	.0	- .2
Rubber and misc. plastics products	21.3	21.1	20.7	.1	.5
Tires and inner tubes	12.7	12.7	12.6	.0	.0
NONMANUFACTURING[g]	212.4	209.8	204.4	2.6	8.0
CONSTRUCTION	10.3	10.6	9.6	- .3	.7
TRANSPORTATION AND PUBLIC UTILITIES	13.2	13.1	13.1	.1	.1
Communication, electric, gas services	5.3	5.3	5.3	.0	.0
WHOLESALE TRADE	14.8	14.8	14.0	.1	.8
RETAIL TRADE	54.4	53.8	53.2	.6	1.2
General merchandise stores	7.0	6.3	6.9	.6	.0
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.8	10.6	- .1	.2
Banking	3.2	3.2	3.1	- .1	.0
SERVICES	60.6	61.0	58.6	- .4	2.1
Business services	12.0	12.1	11.5	- .2	.5
Amusement and recreation services	3.0	3.2	3.1	- .2	.0
Health services	20.7	20.7	19.7	.1	1.0
GOVERNMENT	47.6	45.1	44.7	2.6	2.9
State government	17.4	17.3	16.7	.1	.7
State government education[1]	14.5	14.4	13.8	.1	.8
State government, except education	2.9	2.9	2.9	.0	.0
Local government	27.8	25.4	25.7	2.4	2.1
Local government education	15.2	14.7	14.7	.5	.5
Local government, except education	12.6	10.7	11.1	1.9	1.5

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

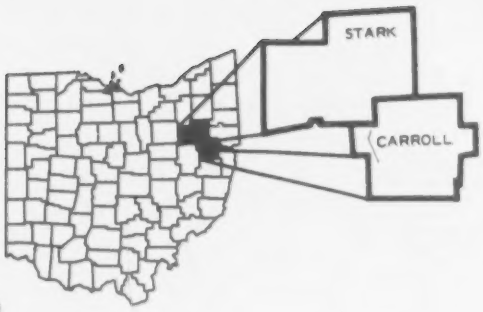
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]
MANUFACTURING	$496.48	$488.78	$484.44	42.8	42.8	43.1	$11.60	$11.42	$11.24
Durable Goods[e]	508.46	501.93	495.36	42.8	42.9	43.0	11.88	11.70	11.52
Fabricated metal products	636.83	639.17	585.59	43.0	43.1	42.9	14.81	14.83	13.65
Machinery, except electrical	459.78	467.74	455.17	44.9	45.5	44.8	10.24	10.28	10.16
Metalworking machinery	483.96	483.80	501.96	45.4	45.3	47.0	10.66	10.68	10.68
Nondurable Goods[f]	478.93	471.84	466.99	42.8	42.7	43.2	11.19	11.05	10.81
Food and kindred products	454.92	447.32	468.50	42.2	42.2	43.5	10.78	10.60	10.77
Chemicals and allied products	507.91	503.16	517.28	41.7	42.0	43.8	12.18	11.98	11.81
Rubber and misc. plastics products	494.31	491.48	482.45	43.9	44.0	44.1	11.26	11.17	10.94
Tires and inner tubes	766.08	765.60	731.43	48.0	48.0	47.9	15.96	15.95	15.27
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	587.23	585.81	567.69	41.5	41.4	40.9	14.15	14.15	13.88
WHOLESALE TRADE	353.87	345.14	334.15	36.9	36.6	37.8	9.59	9.43	8.84
RETAIL TRADE[h]	204.38	202.54	198.67	32.7	32.2	32.2	6.25	6.29	6.17

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1988	October 1988	November 1987
Employment Service Program			
New Applicants	1,997	2,313	2,262
Active File of Job Seekers	15,441	15,316	17,533
Referrals to Jobs	928	1,358	937
Placements	180	471	185
Job Openings Received	443	522	417
Job Openings Unfilled	960	1,094	1,117
Unemployment Insurance Program			
Initial Claims	3,414	2,282	3,315
Continued Claims	19,877	14,339	21,116
First Payments	1,359	939	1,039
Last Payments	273	293	376
Weeks Compensated	13,815	11,416	15,138
Benefits Paid	$2,028,225	$1,682,646	$2,251,949
Average Weekly Payment	$152.18	$152.04	$152.84

CANTON
METROPOLITAN STATISTICAL AREA

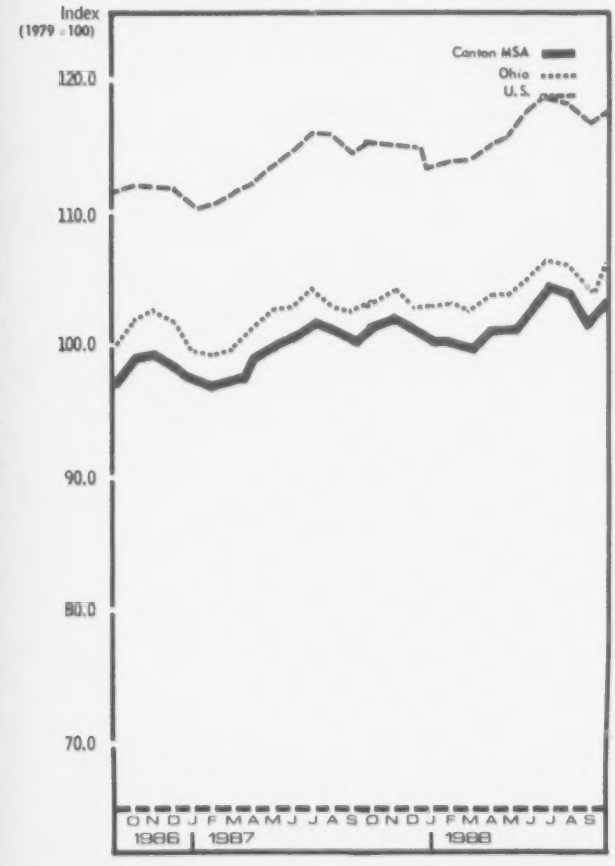


Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

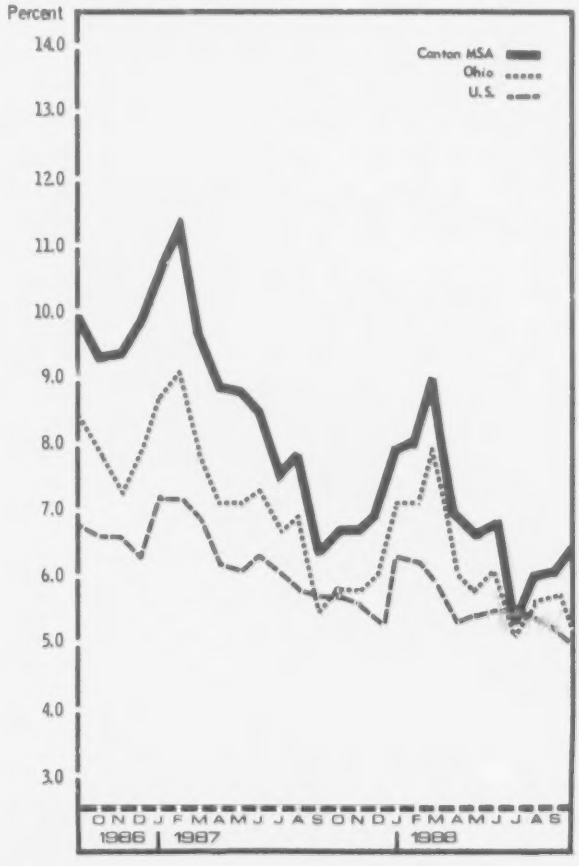
In the Canton metropolitan area, total nonfarm payroll employment rose 1,400 from October, to 164,200 in November 1988. The improvement occurred in the nonmanufacturing sector due to the hiring of temporary election workers and seasonal growth in retail trade. Manufacturing employment was unchanged from last month at 44,000. Factory production worker average hourly earnings, at $11.47, dropped fractionally from October. Their average workweek of 42.8 hours was .1 hours shorter.

Nonagricultural wage and salary employment advanced 5,500 between November 1987 and November 1988. A major portion of the growth occurred in local government, services, and construction. The manufacturing workforce increased 200 over the year. Modest improvement in primary metal industries and scattered gains in nondurable goods more than offset a decline in fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

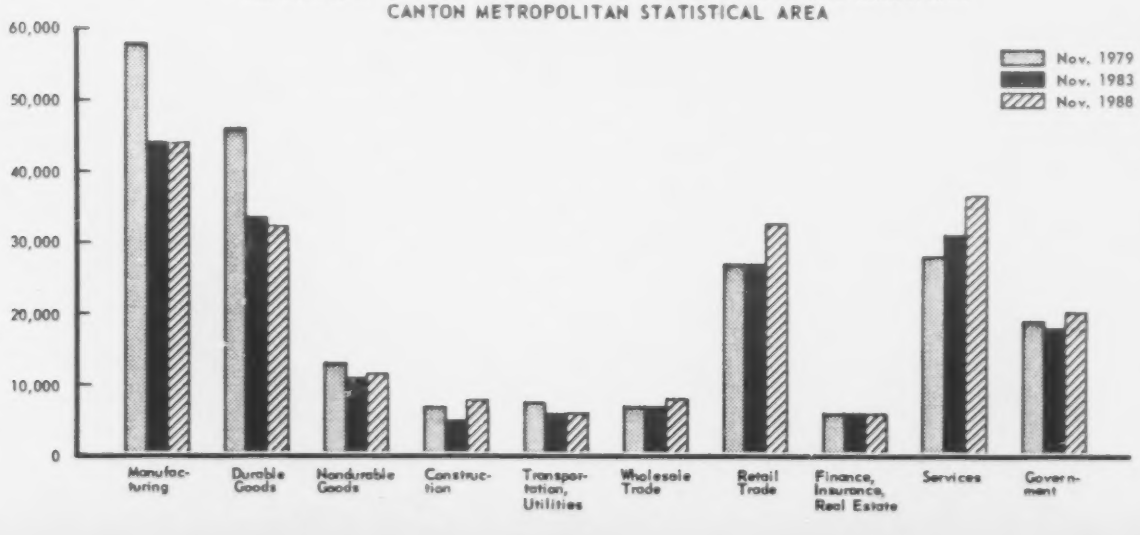


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	$273.14	39.7	$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
189.4	174.4	15.1	8.0	February	155.4	43.7	31.1	493.06	43.1	11.44
190.1	173.0	17.1	9.0	March	156.0	43.2	31.1	488.48	43.0	11.36
188.9	175.7	13.2	7.0	April	158.3	43.2	30.6	493.34	43.2	11.42
188.2	175.8	12.4	6.6	May	160.2	43.4	30.8	492.05	43.2	11.39
191.5	178.4	13.0	6.8	June	161.5	43.9	31.3	485.78	42.8	11.35
191.7	181.6	10.1	5.3	July	161.3	44.0	31.3	475.88	42.3	11.25
192.0	180.4	11.6	6.0	August	160.5	43.4	30.8	474.47	42.1	11.27
187.5	176.1	11.5	6.1	September	161.6	43.8	31.2	487.34	42.6	11.44
189.7	179.4	10.3	5.4	October	162.8	44.0	31.3	493.78	42.9	11.51
INA	INA	INA	INA	November	164.2	44.0	31.2	490.92	42.8	11.47

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1988[b]	October 1988[c]	November 1987[c]	From Last Month	From Last Year
TOTAL	164.2	162.8	158.7	1.4	5.5
MANUFACTURING	44.0	44.0	43.8	.0	.2
Durable Goods[e]	32.2	32.2	32.2	- .1	- .1
Primary metal industries	10.9	10.8	10.6	.0	.3
Fabricated metal products	6.3	6.3	6.5	.0	- .2
Metal forgings and stampings	2.1	2.0	2.2	.0	- .1
Nondurable Goods[f]	11.9	11.8	11.5	.1	.3
Food and kindred products	3.4	3.3	3.3	.1	.0
Rubber and misc. plastics products	3.1	3.1	3.1	.0	.0
NONMANUFACTURING[g]	120.2	118.8	114.9	1.4	5.2
CONSTRUCTION	8.0	8.2	7.0	- .2	1.0
TRANSPORTATION AND PUBLIC UTILITIES	6.2	6.1	5.8	.1	.5
Communication, electric, gas services	2.8	2.8	2.6	.0	.3
WHOLESALE TRADE	8.2	8.3	8.2	.0	.0
Wholesale trade-durable goods	4.6	4.6	4.6	- .1	.0
RETAIL TRADE	33.0	32.3	32.1	.6	.9
General merchandise stores	4.5	4.1	4.4	.4	.1
Food stores	5.4	5.3	5.2	.1	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.5	.0	- .1
Banking	1.9	1.9	1.9	.0	.0
SERVICES	36.9	37.3	35.6	- .4	1.3
Health services	15.6	15.6	15.1	.0	.4
GOVERNMENT	20.5	19.1	18.8	1.3	1.6
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	17.3	16.0	15.7	1.3	1.5
Local government education	9.4	9.3	9.2	.1	.2
Local government, except education	7.9	6.7	6.5	1.1	1.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

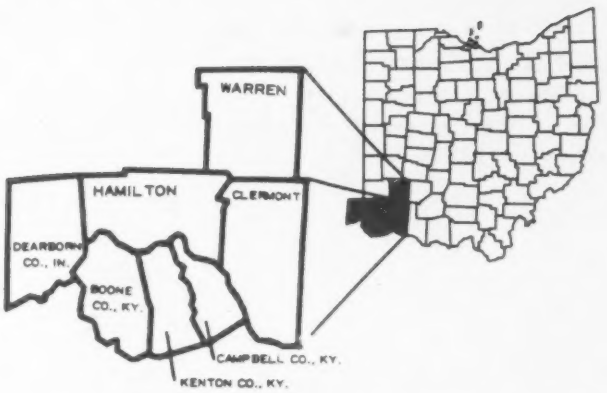
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]
MANUFACTURING	$490.92	$493.78	$475.73	42.8	42.9	42.1	$11.47	$11.51	$11.30
Durable Goods[e]	523.53	523.41	494.28	43.7	43.8	42.5	11.98	11.95	11.63
Primary metal industries	595.01	589.23	558.12	45.7	45.5	43.4	13.02	12.95	12.86
Fabricated metal products	487.63	498.58	451.50	42.7	44.2	42.0	11.42	11.28	10.75
Metal forgings and stampings	558.90	562.38	627.94	40.5	41.2	42.2	13.80	13.65	14.88
Nondurable Goods[f]	394.36	405.02	415.95	40.2	40.3	40.7	9.81	10.05	10.22
Food and kindred products	400.28	398.43	430.94	38.6	38.2	40.2	10.37	10.43	10.72
Rubber and misc. plastics products	400.05	404.01	433.84	41.2	41.1	41.2	9.71	9.83	10.53
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	566.30	569.74	563.33	40.8	40.9	41.3	13.88	13.93	13.64
WHOLESALE TRADE	382.23	386.15	389.78	37.4	37.6	38.9	10.22	10.27	10.02
RETAIL TRADE[h]	162.03	159.26	156.02	29.3	28.8	29.0	5.53	5.53	5.38

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1988	October 1988	November 1987
Employment Service Program			
New Applicants	1,604	1,542	1,202
Active File of Job Seekers	12,182	12,259	10,895
Referrals to Jobs	823	1,025	950
Placements	271	266	153
Job Openings Received	581	614	452
Job Openings Unfilled	1,955	2,249	600
Unemployment Insurance Program			
Initial Claims	1,780	1,534	2,424
Continued Claims	10,741	8,576	13,221
First Payments	756	573	646
Last Payments	154	165	169
Weeks Compensated	7,739	6,744	8,871
Benefits Paid	$1,074,472	$934,564	$1,205,218
Average Weekly Payment	$143.34	$143.74	$142.84

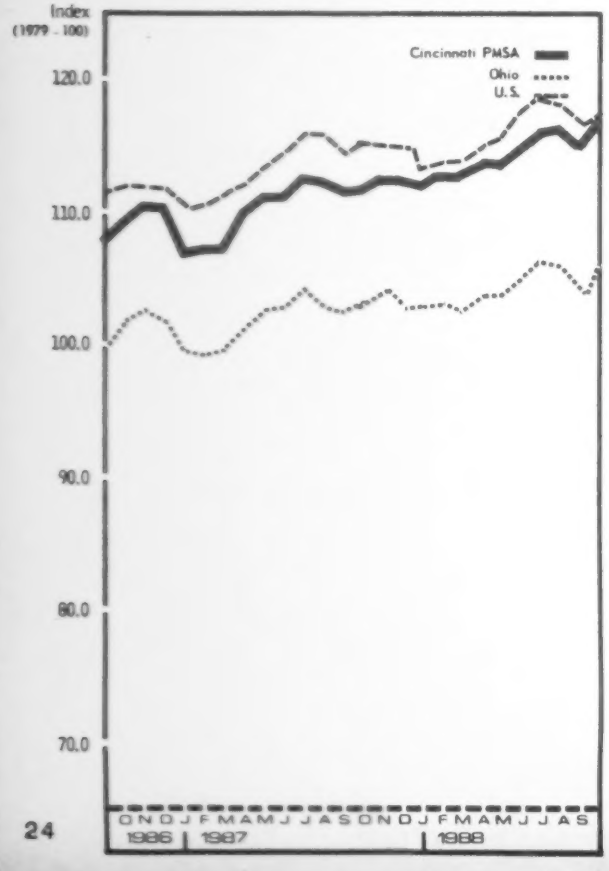
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



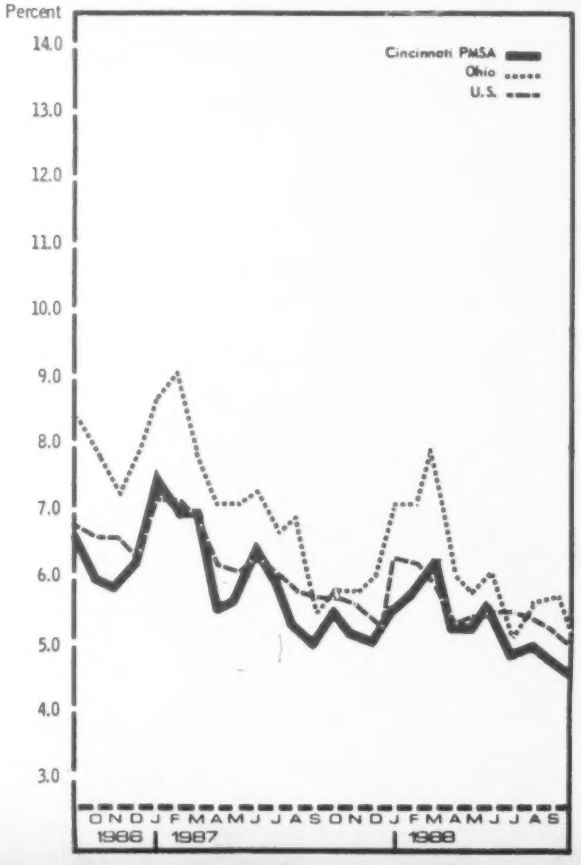
Nonagricultural payroll employment in the Cincinnati metropolitan area totaled 718,900 in November 1988, increasing 7,500 above the October level. Nonmanufacturing employment rose 6,700 due to the hiring of temporary election workers and seasonal increases in retail trade. Employment in services and construction declined. The manufacturing workforce added 900 jobs over the month, to 145,700. Modest gains occurred in nonelectrical machinery and rubber and miscellaneous plastics products. Factory production worker average hourly earnings rose slightiy from October, to $11.29. Their average workweek of 43.2 hours was .2 hours longer.

Total nonfarm wage and salary employment advanced 25,800 between November 1987 and November 1988. The improvement was concentrated in the nonmanufacturing sector. Significant expansion occurred in services, retail trade, and local government. Noteworthy gains were also recorded in construction and transportation and public utilities. Manufacturing employment increased 300 over the year. Modest growth occurred in food and kindred products and nonelectrical machinery, while employment in transportation equipment and chemicals and allied products declined.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

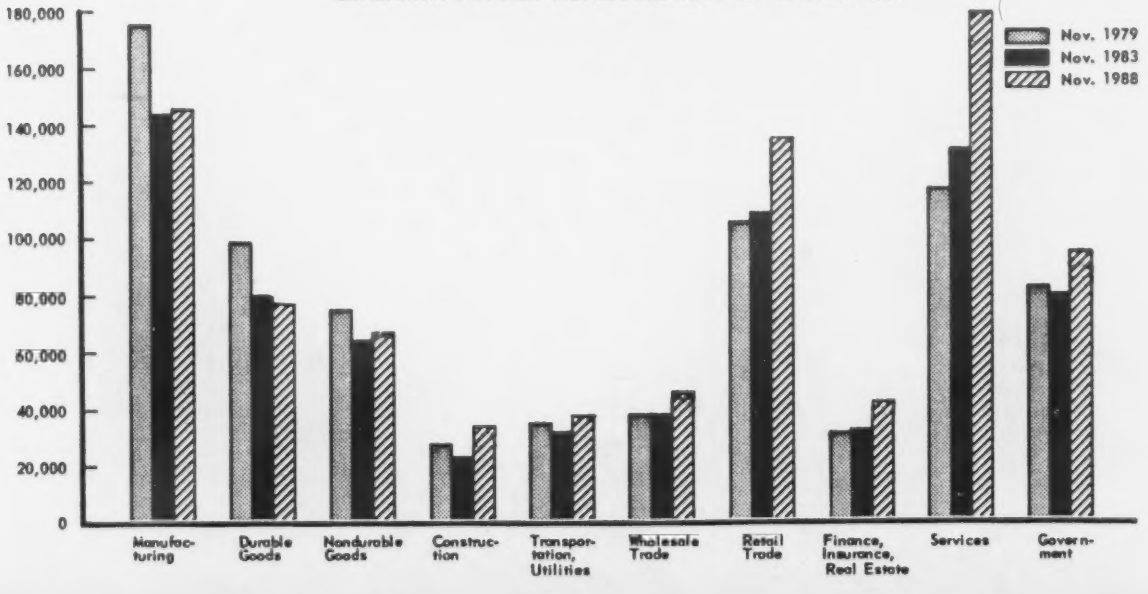


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	$260.83	41.6	$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
751.5	709.9	41.6	5.5	October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	679.6	145.1	92.9	481.00	43.1	11.16
752.2	709.0	43.2	5.7	February	679.4	144.5	92.4	466.47	42.1	11.08
753.9	706.7	47.2	6.3	March	678.3	137.7	86.0	453.60	42.0	10.80
753.8	715.0	38.8	5.2	April	693.2	143.8	91.8	462.42	42.0	11.01
753.8	714.3	39.5	5.2	May	698.7	143.2	91.3	465.63	42.1	11.06
763.9	721.1	42.7	5.6	June	702.7	143.7	91.5	466.62	42.0	11.11
765.7	728.9	36.8	4.8	July	700.3	143.7	91.5	461.76	41.6	11.10
767.1	729.0	38.0	5.0	August	703.6	144.8	92.3	476.15	42.4	11.23
758.0	722.0	36.0	4.7	September	710.6	145.4	93.0	483.75	43.0	11.25
767.4	733.0	34.5	4.5	October	711.4	144.9	92.2	484.18	43.0	11.26
INA	INA	INA	INA	November	718.9	145.7	92.9	487.73	43.2	11.29

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1988[b]	October 1988[c]	November 1987[c]	From Last Month	From Last Year
TOTAL	718.9	711.4	693.1	7.5	25.8
MANUFACTURING	145.7	144.9	145.4	.9	.3
Durable Goods[e]	77.7	77.2	77.8	.6	- .1
Fabricated metal products	10.2	10.0	10.3	.1	- .2
Fabricated structural metal products	3.8	3.8	4.1	.1	- .3
Machinery, except electrical	21.0	20.7	20.7	.2	.3
Metalworking machinery	8.1	8.0	8.1	.0	- .1
General industrial machinery	3.1	3.0	3.0	.0	.1
Electric and electronic equipment	7.7	7.7	7.5	.0	.2
Transportation equipment	24.3	24.3	25.4	.1	- 1.1
Motor vehicles and equipment	5.1	5.0	5.2	.2	- .1
Nondurable Goods[f]	68.0	67.7	67.6	.3	.4
Food and kindred products	14.0	14.1	13.3	.0	.8
Beverages	3.7	3.8	3.4	.0	.3
Apparel and other textile products	3.9	3.8	4.1	.1	- .2
Paper and allied products	6.0	6.0	6.1	.0	- .1
Printing and publishing	13.5	13.4	13.3	.1	.2
Commercial printing	5.9	5.9	5.8	.1	.1
Chemicals and allied products	22.2[j]	22.3[j]	22.6	- .1	- .5
Rubber and misc. plastics products	6.0	5.8	6.0	.2	.0
NONMANUFACTURING[g]	573.2	566.5	547.7	6.7	25.5
CONSTRUCTION	34.9	35.6	32.3	- .6	2.6
TRANSPORTATION AND PUBLIC UTILITIES	38.0	38.1	36.1	.0	2.0
Trucking and warehousing	11.2	11.2	10.1	.0	1.0
Communication, electric, gas services	15.0	15.1	15.0	.0	.0
WHOLESALE TRADE	46.4	46.3	44.8	.2	1.7
Wholesale trade-durable goods	27.6	27.5	26.3	.1	1.3
RETAIL TRADE	135.7	133.5	130.5	2.2	5.3
General merchandise stores	18.9	18.1	19.2	.9	- .2
FINANCE, INSURANCE, AND REAL ESTATE	42.8	42.6	41.1	.2	1.7
Banking	9.4	9.3	8.9	.1	.5
Insurance carriers	14.3	14.3	14.0	.0	.3
SERVICES	179.1	180.2	172.8	- 1.2	6.3
Hotels and other lodging places	6.8	6.9	6.5	- .1	.3
Personal services	8.9	8.9	8.5	.0	.4
Business services	45.8	45.6	41.7	.1	4.1
Amusement and recreation services	5.3	6.8	7.4	- 1.5	- 2.1
Health services	55.3	55.4	53.5	.0	1.9
Hospitals	26.2	26.2	25.5	.0	.7
GOVERNMENT	95.5	89.7	89.7	5.8	5.8
Federal government	15.4	15.4	14.9	.0	.5
State government	20.4	20.1	20.2	.3	.1
State government education[i]	12.6	12.3	12.5	.3	.1
State government, except education	7.8	7.8	7.7	.0	.0
Local government	59.7	54.2	54.5	5.5	5.2
Local government education	31.4	30.8	31.9	.6	- .4
Local government, except education	28.3	23.4	22.6	4.9	5.7

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]
MANUFACTURING	$487.73	$484.18	$477.17	43.2	43.0	43.3	$11.29	$11.26	$11.02
Durable Goods[e]	492.31	483.23	474.80	43.8	43.3	43.4	11.24	11.16	10.94
Fabricated metal products	447.11	436.60	421.28	44.4	43.4	42.9	10.07	10.06	9.82
Fabricated structural metal products	497.10	492.97	427.17	45.9	45.9	43.5	10.83	10.74	9.82
Machinery, except electrical	445.82	441.01	430.14	43.2	42.9	42.8	10.32	10.28	10.05
Metalworking machinery	491.06	492.83	480.31	44.2	44.2	43.0	11.11	11.15	11.17
General industrial machinery	423.24	408.66	457.24	43.1	41.7	46.8	9.82	9.80	9.77
Electric and electronic equipment	360.05	355.77	360.80	40.5	40.2	41.0	8.89	8.85	8.80
Transportation equipment	744.98	715.18	709.72	47.3	46.2	46.6	15.75	15.48	15.23
Motor vehicles and equipment	873.15	853.29	784.40	50.5	49.9	47.8	17.29	17.10	16.41
Nondurable Goods[f]	483.08	485.07	479.95	42.6	42.7	43.2	11.34	11.36	11.11
Food and kindred products	507.18	524.35	538.44	42.8	44.1	45.4	11.85	11.89	11.86
Beverages	500.09	504.23	519.57	40.2	40.5	41.4	12.44	12.45	12.55
Apparel and other textile products	241.20	237.34	223.00	40.0	39.1	39.4	6.03	6.07	5.66
Paper and allied products	446.61	443.99	438.46	43.7	43.7	44.2	10.22	10.16	9.92
Printing and publishing	444.04	451.09	462.58	39.4	39.5	40.9	11.27	11.42	11.31
Commercial printing	467.41	487.05	476.30	41.4	42.5	42.3	11.29	11.46	11.26
Chemicals and allied products	580.26	572.76	560.72	43.4	43.0	43.5	13.37	13.32	12.89
Rubber and misc. plastics products	445.50	443.68	409.85	46.6	47.1	44.5	9.56	9.42	9.21
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	573.46	575.87	555.41	40.7	40.9	40.6	14.09	14.08	13.68
WHOLESALE TRADE	415.74	420.85	393.05	41.0	41.3	41.2	10.14	10.19	9.54
RETAIL TRADE[h]	167.90	167.91	164.40	28.7	29.0	29.2	5.85	5.79	5.63
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	260.45	262.95	259.95	....	....	....	.....	.....	.....

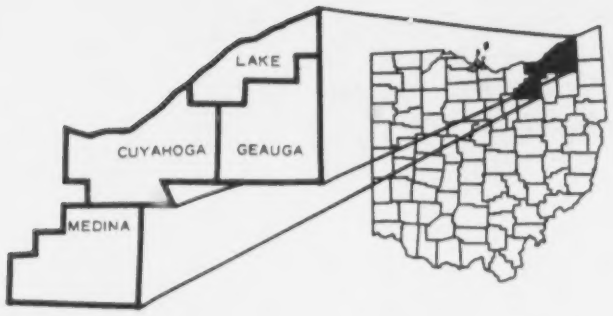
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	November 1988	October 1988	November 1987
Employment Service Program			
New Applicants	2,854	3,402	3,505
Active File of Job Seekers	20,117	20,459	21,010
Referrals to Jobs	1,758	2,389	2,333
Placements	377	760	956
Job Openings Received	1,000	1,394	1,163
Job Openings Unfilled	2,794	2,990	3,222
Unemployment Insurance Program			
Initial Claims	3,860	3,279	5,105
Continued Claims	29,853	23,768	37,324
First Payments	2,022	1,379	1,568
Last Payments	540	416	358
Weeks Compensated	20,724	18,163	27,130
Benefits Paid	$3,071,802	$2,704,086	$4,333,086
Average Weekly Payment	$151.31	$151.49	$162.88

[a]Ohio data only

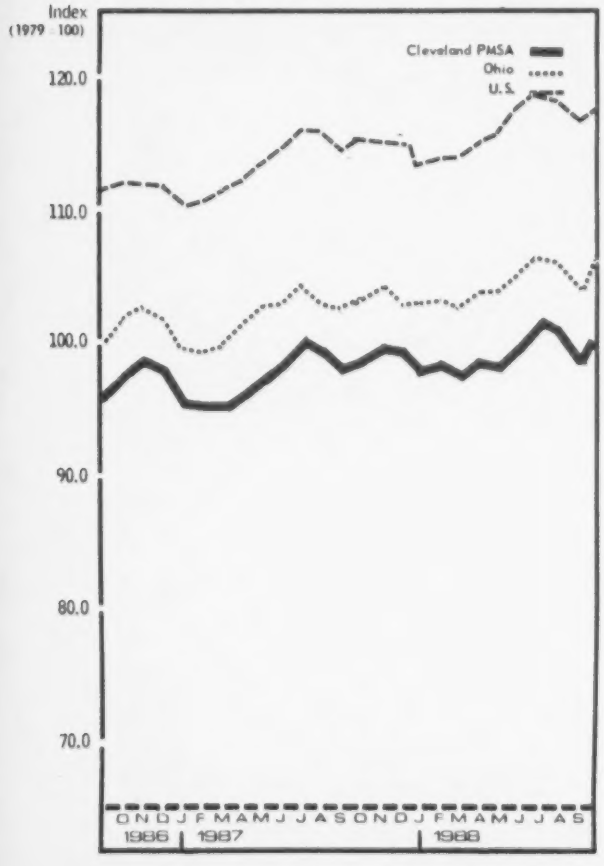
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



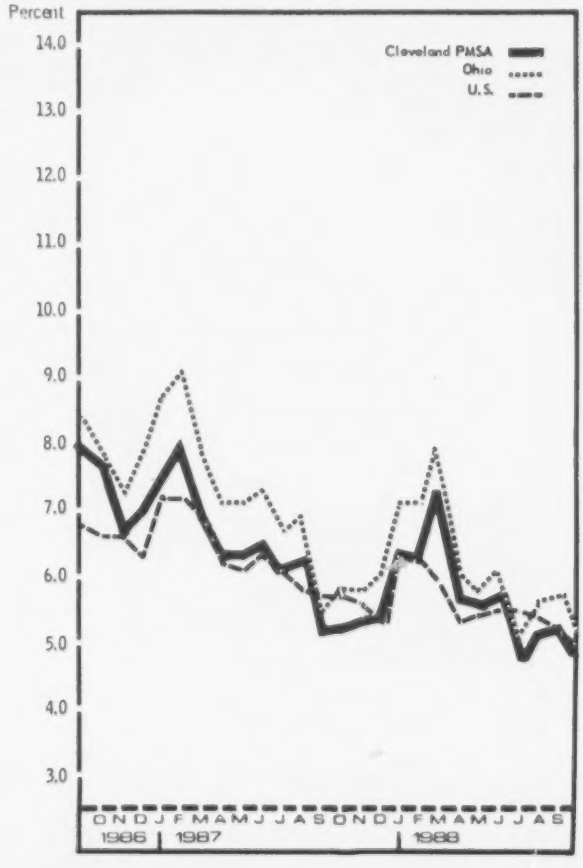
Total nonfarm payroll employment in the Cleveland metropolitan area rose 8,300 above the October level, to 933,000 in November 1988. Nonmanufacturing employment increased 7,600. The hiring of temporary election workers and more business in retail trade overshadowed reductions in services and construction. Scattered gains in durable-goods industries, especially fabricated metal products, increased manufacturing employment 700, to 206,000. Factory production workers averaged $12.01 per hour, up $.08 from October. Their average workweek of 44.0 hours was .6 hours longer.

Nonagricultural wage and salary employment advanced 24,500 between November 1987 and November 1988. Expansion in nonmanufacturing industries accounted for most of the gain. Significant growth occurred in services, retail trade, local government, and finance, insurance, and real estate. Manufacturing employment rose 2,700 over the year. Moderate gains were recorded in nonelectrical machinery, fabricated metal products, and chemicals and allied products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	$292.75	42.8	$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1987						
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
928.2	869.7	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
930.3	872.7	57.5	6.2	February	889.6	201.8	130.0	500.21	42.9	11.66
934.3	866.3	68.0	7.3	March	893.3	201.8	129.7	510.26	43.5	11.73
926.4	874.9	51.5	5.6	April	902.1	201.8	129.7	512.55	43.4	11.81
923.0	872.5	50.5	5.5	May	910.1	202.2	130.3	513.42	43.4	11.83
939.2	885.8	53.5	5.7	June	918.5	203.9	131.4	518.28	43.7	11.86
947.1	902.6	44.5	4.7	July	918.7	202.4	129.6	499.16	42.7	11.69
943.7	895.4	48.3	5.1	August	914.8	202.4	129.7	503.43	42.7	11.79
922.0	874.3	47.7	5.2	September	918.9	204.3	131.6	514.51	43.2	11.91
936.7	891.9	44.8	4.8	October	924.6	205.3	132.5	517.76	43.4	11.93
INA	INA	INA	INA	November	933.0	206.0	133.4	528.44	44.0	12.01

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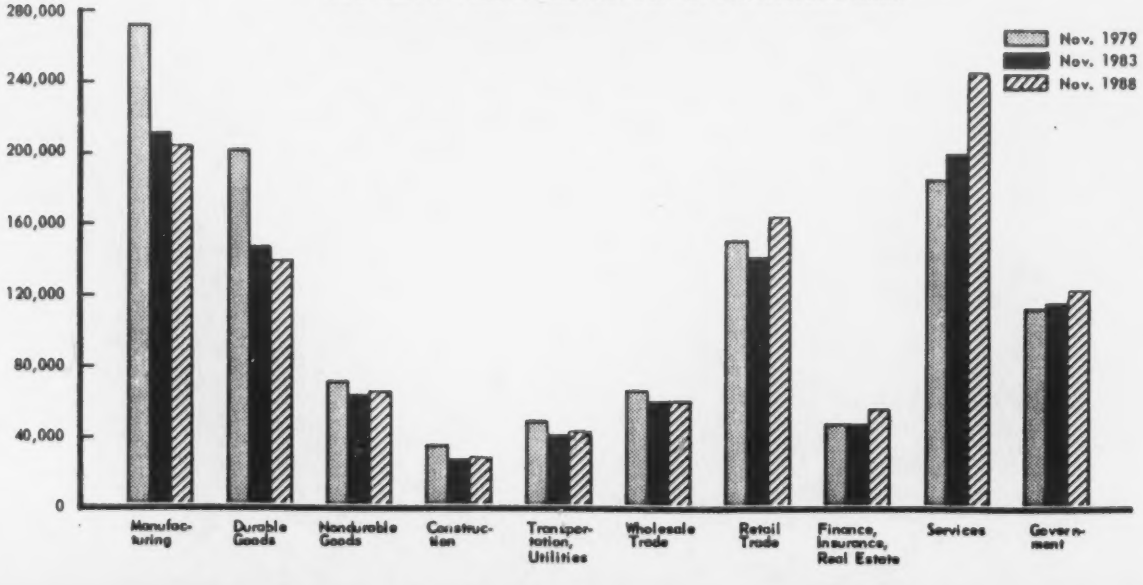
EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1988[b]	October 1988[c]	November 1987[c]	From Last Month	From Last Year
TOTAL	933.0	924.6	908.5	8.3	24.5
MANUFACTURING	206.0	205.3	203.3	.7	2.7
Durable Goods[e]	140.3	139.5	138.2	.8	2.1
Primary metal industries	21.3	21.1	21.1	.1	.2
Iron and steel foundries	5.1	5.0	5.2	.1	- .2
Fabricated metal products	33.5	33.1	33.1	.5	.5
Fabricated structural metal products	4.3	4.3	4.3	.0	.1
Screw machine products, bolts, etc.	4.8	4.8	4.8	.0	.0
Metal forgings and stampings	11.8	11.5	11.6	.3	.2
Machinery, except electrical	29.9	29.9	29.2	.1	.7
Construction and related machinery	2.6	2.6	2.6	.0	.0
Metalworking machinery	9.8	9.8	9.6	.0	.2
Special industry machinery	2.7	2.7	2.8	.0	- .1
General industrial machinery	3.2	3.2	3.0	.0	.1
Electric and electronic equipment	18.2	18.2	18.0	.0	.2
Electrical industrial apparatus	6.5	6.5	6.1	.0	.4
Transportation equipment	19.7	19.6	19.4	.1	.3
Motor vehicles and equipment	12.6	12.6	12.2	.0	.4
Instruments and related products	6.3	6.3	6.6	.0	- .3
Measuring and controlling devices	4.1	4.1	4.3	.0	- .2
Nondurable Goods[f]	65.7	65.8	65.1	- .1	.6
Food and kindred products	7.0	7.0	7.1	.0	- .1
Apparel and other textile products	4.1	4.0	3.8	.1	.3
Paper and allied products	5.6	5.7	5.7	- .1	- .1
Printing and publishing	16.1	16.0	16.3	.1	- .1
Chemicals and allied products	15.3	15.3	14.8	.0	.5
Rubber and misc. plastics products	12.5	12.6	12.4	- .1	.1
NONMANUFACTURING[g]	727.0	719.4	705.1	7.6	21.8
CONSTRUCTION	31.2	31.9	30.5	- .8	.7
TRANSPORTATION AND PUBLIC UTILITIES	41.7	41.6	41.5	.1	.2
Trucking and warehousing	12.7	12.6	12.3	.1	.4
Communication, electric, gas services	17.5	17.5	17.7	.0	- .2
WHOLESALE TRADE	61.8	61.7	60.8	.2	1.1
Wholesale trade-durable goods	42.3	42.2	41.9	.1	.4
RETAIL TRADE	164.7	162.4	159.2	2.4	5.5
General merchandise stores	23.1	21.6	22.4	1.5	.6
FINANCE, INSURANCE, AND REAL ESTATE	57.3	57.4	55.1	.0	2.3
Banking	13.5	13.6	13.4	- .1	.1
Credit agencies other than banks	8.7	8.7	8.7	.0	.0
Insurance carriers	14.6	14.6	13.8	.0	.9
SERVICES	245.7	247.1	238.2	- 1.4	7.6
Business services	57.3	57.5	54.4	- .2	2.9
Amusement and recreation services	7.2	8.0	7.3	- .8	- .1
Health services	76.9	77.2	75.8	- .3	1.1
Hospitals	42.2	42.6	42.9	- .4	- .7
GOVERNMENT	123.4	116.2	118.8	7.2	4.6
Federal government	20.5	20.5	20.5	.0	.1
State government	8.2	8.2	8.1	.0	.1
State government education[1]	3.2	3.2	3.1	.0	.1
State government, except education	5.0	5.0	5.0	.0	.0
Local government	94.7	87.4	90.2	7.2	4.5
Local government education	44.8	43.9	46.6	.8	- 1.9
Local government, except education	49.9	43.5	43.6	6.4	6.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

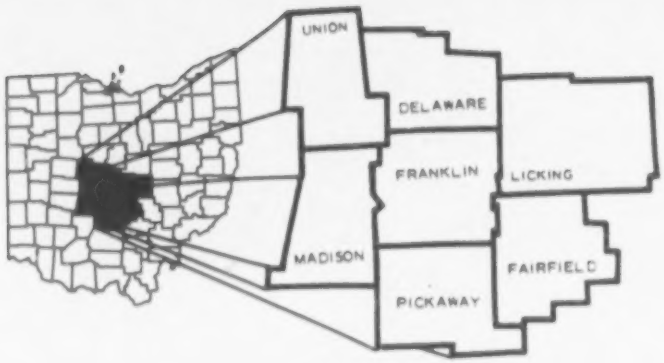
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]
MANUFACTURING	$528.44	$517.76	$510.71	44.0	43.4	43.8	$12.01	$11.93	$11.66
Durable Goods[e]	568.62	557.95	549.58	45.2	44.6	44.9	12.58	12.51	12.24
Primary metal industries	595.30	604.63	605.83	46.8	47.2	47.0	12.72	12.81	12.89
Iron and steel foundries	905.73	917.16	862.00	51.2	50.7	50.0	17.69	18.09	17.24
Fabricated metal products	572.77	551.98	543.79	45.1	44.3	44.5	12.70	12.46	12.22
Fabricated structural metal products	411.42	417.21	423.00	41.6	42.1	42.3	9.89	9.91	10.00
Screw machine products, bolts, etc.	564.98	550.34	535.93	46.5	45.9	48.5	12.15	11.99	11.05
Metal forgings and stampings	743.51	698.07	672.04	48.5	46.6	45.5	15.33	14.98	14.77
Machinery, except electrical	537.68	533.82	519.20	44.4	44.3	44.3	12.11	12.05	11.72
Construction and related machinery	395.08	393.27	440.33	42.3	42.7	47.5	9.34	9.21	9.27
Metalworking machinery	486.78	485.64	447.68	42.7	42.6	41.8	11.40	11.40	10.71
Special industry machinery	473.39	476.52	497.27	41.2	41.8	40.2	11.49	11.40	12.37
General industrial machinery	533.92	527.98	525.55	47.0	46.6	45.7	11.36	11.33	11.50
Electric and electronic equipment	463.68	452.86	453.69	42.5	41.7	42.6	10.91	10.86	10.65
Electrical industrial apparatus	519.92	522.82	510.85	44.4	44.8	43.7	11.71	11.67	11.69
Transportation equipment	763.20	745.99	732.73	48.0	46.8	47.0	15.90	15.94	15.59
Motor vehicles and equipment	866.95	824.76	800.85	48.9	47.4	47.5	17.32	17.40	16.86
Instruments and related products	409.19	399.59	409.78	41.5	40.9	41.9	9.86	9.77	9.78
Measuring and controlling devices	453.26	439.52	406.00	42.6	41.7	40.0	10.64	10.54	10.15
Nondurable Goods[f]	430.32	424.09	419.38	41.1	40.7	41.4	10.47	10.42	10.13
Food and kindred products	427.23	425.21	359.86	41.6	42.1	40.8	10.27	10.10	8.82
Apparel and other textile products	330.85	326.04	326.63	39.2	38.9	38.7	8.44	8.33	8.44
Paper and allied products	491.34	469.99	472.92	42.8	41.3	42.0	11.48	11.38	11.26
Printing and publishing	402.13	405.90	429.87	37.2	36.8	40.1	10.81	11.03	10.72
Chemicals and allied products	527.02	507.61	507.03	43.7	42.8	42.5	12.06	11.86	11.93
Rubber and misc. plastics products	391.25	388.14	384.42	42.9	42.7	43.0	9.12	9.09	8.94
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	612.54	600.06	589.12	41.5	41.1	41.4	14.76	14.60	14.23
WHOLESALE TRADE	430.80	425.32	402.73	40.0	39.2	39.1	10.77	10.85	10.30
RETAIL TRADE[h]	187.60	186.20	174.25	28.0	28.0	27.1	6.70	6.65	6.43
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	296.76	300.29	295.31	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	346.48	344.12	341.46	31.7	31.6	31.5	10.93	10.89	10.84

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1988	October 1988	November 1987
Employment Service Program			
New Applicants	4,297	4,447	4,605
Active File of Job Seekers	54,051	53,102	58,206
Referrals to Jobs	1,859	2,021	2,020
Placements	359	403	385
Job Openings Received	942	1,231	1,005
Job Openings Unfilled	3,582	4,160	2,573
Unemployment Insurance Program			
Initial Claims	7,125	5,544	10,220
Continued Claims	46,202	38,295	52,927
First Payments	3,022	2,616	2,316
Last Payments	842	826	841
Weeks Compensated	33,530	31,265	37,626
Benefits Paid	$5,103,578	$4,740,768	$5,474,694
Average Weekly Payment	$155.74	$154.58	$148.63

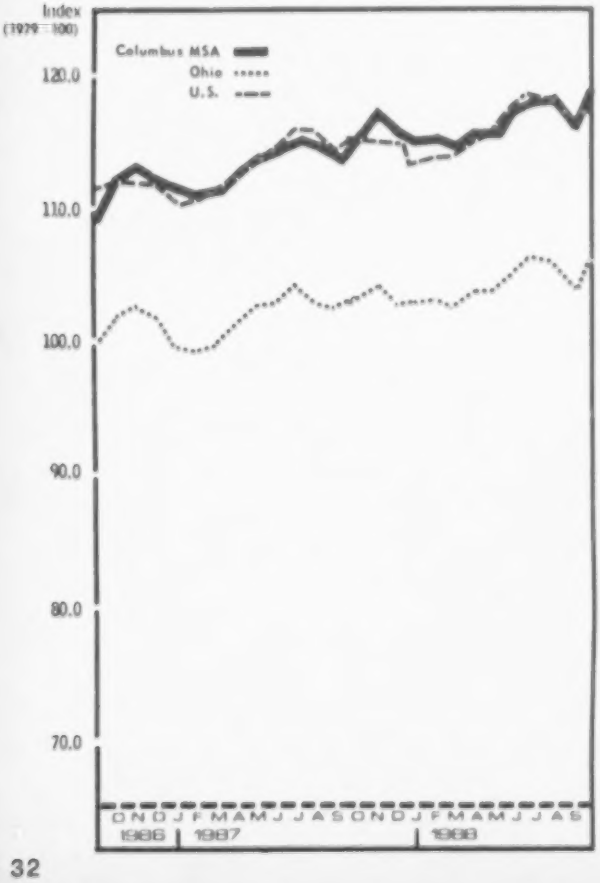
COLUMBUS
METROPOLITAN STATISTICAL AREA



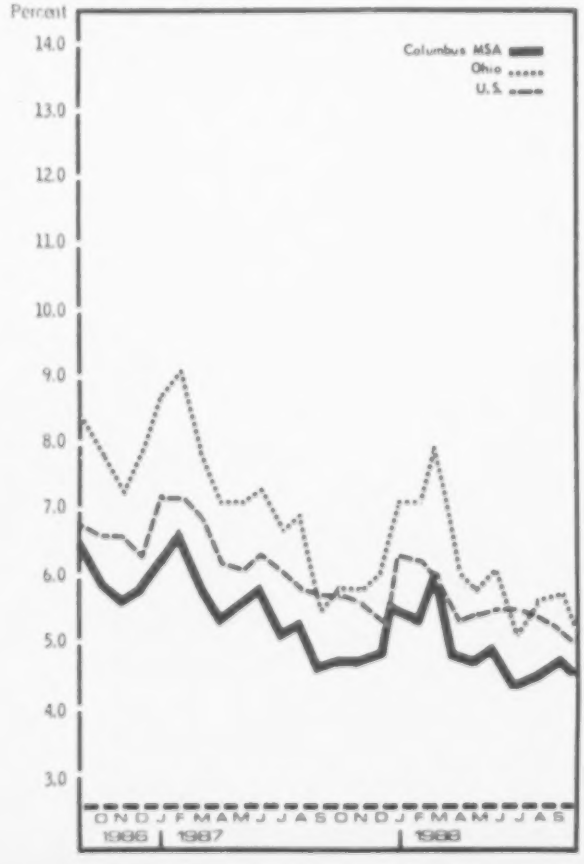
In the Columbus metropolitan area, total nonfarm payroll employment increased 8,900 from October, to 703,500 in November 1988. The hiring of temporary election workers and more business in retail trade advanced nonmanufacturing employment 8,400. The manufacturing workforce added 500 jobs, to 104,600. Modest gains occurred in stone, clay, and glass products and rubber and miscellaneous plastics products. Factory production worker average hourly earnings dropped slightly from October, to $11.64. Their average workweek was unchanged at 41.7 hours.

Nonagricultural wage and salary employment advanced 29,300 between November 1987 and November 1988. Primary growth sectors were services, local government, and retail trade. Noteworthy expansion also occurred in construction, wholesale trade, and finance, insurance, and real estate. Manufacturing employment increased 2,000 over the year. Modest improvements were noted in transportation equipment, rubber and miscellaneous plastics products, fabricated metal products, and printing and publishing. Employment in stone, clay, and glass products declined.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



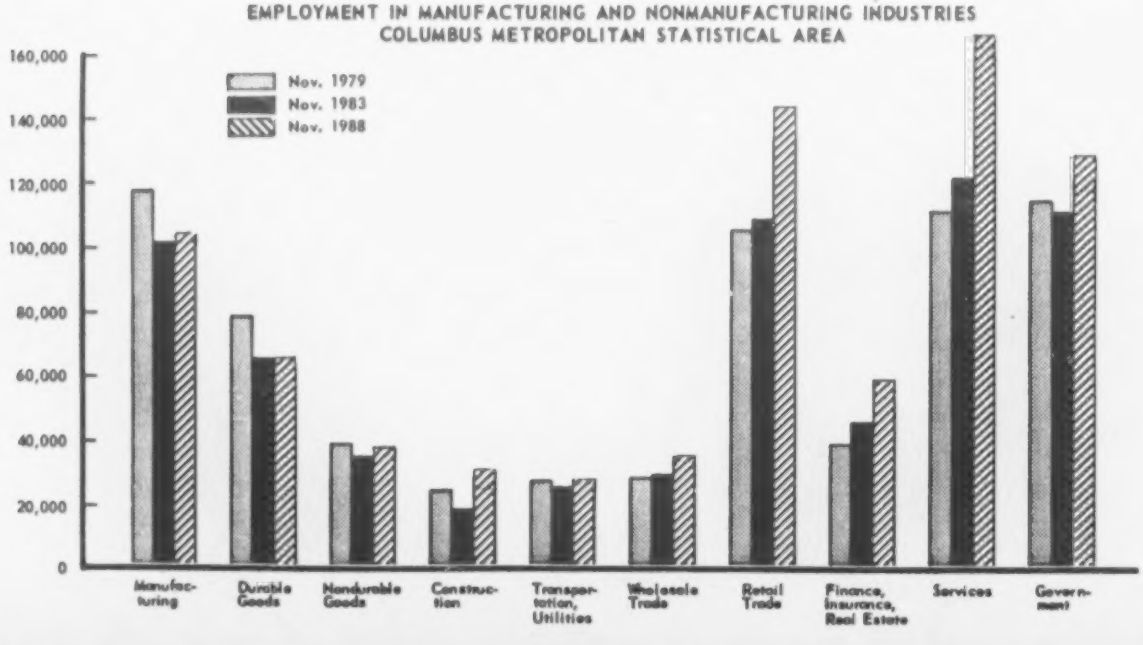
UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
				1987						
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
				1988						
701.9	662.2	39.8	5.7	January	662.3	102.1	67.0	468.65	41.4	11.32
703.1	665.3	37.8	5.4	February	663.0	101.4	66.3	477.47	41.7	11.45
704.7	661.7	43.0	6.1	March	667.3	101.6	66.4	474.54	41.3	11.49
703.0	668.9	34.1	4.8	April	673.8	102.1	66.8	482.47	41.7	11.57
701.6	668.7	32.9	4.7	May	680.8	102.3	66.8	480.24	41.4	11.60
712.1	677.2	34.9	4.9	June	685.0	103.2	67.5	480.16	41.5	11.57
713.2	682.7	30.4	4.3	July	678.4	102.9	67.0	475.45	41.2	11.54
714.3	682.1	32.2	4.5	August	680.0	103.2	67.3	471.65	40.8	11.56
701.7	669.0	32.7	4.7	September	686.7	104.2	67.9	481.48	41.4	11.63
718.6	686.4	32.2	4.5	October	694.7	104.2	67.8	486.22	41.7	11.66
INA	INA	INA	INA	November	703.5	104.6	68.0	485.39	41.7	11.64

INA - information not available



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1988[b]	October 1988[c]	November 1987[c]	From Last Month	From Last Year
TOTAL	703.5	694.7	674.2	8.9	29.3
MANUFACTURING	104.6	104.2	102.7	.5	2.0
Durable Goods[e]	66.1	65.8	64.9	.4	1.2
Stone, clay, and glass products	10.2	10.0	10.5	.2	- .3
Glass and glassware, pressed or blown.	3.8	3.7	3.9	.1	- .1
Fabricated metal products	9.8	9.7	9.5	.1	.3
Fabricated structural metal products	2.9	3.0	2.9	.0	.0
Machinery, except electrical	9.2	9.2	9.2	.1	.0
Electric and electronic equipment	10.9	11.0	10.9	.0	.0
Transportation equipment	13.6	13.5	12.8	.1	.7
Instruments and related products	4.1	4.1	4.0	.0	.1
Nondurable Goods[f]	38.5	38.4	37.7	.1	.8
Food and kindred products	10.6	10.7	10.4	- .1	.2
Printing and publishing	10.6	10.6	10.4	.0	.3
Chemicals and allied products	6.7	6.7	6.7	.0	- .1
Rubber and misc. plastics products	5.9	5.8	5.4	.2	.6
NONMANUFACTURING[g]	598.9	590.5	571.6	8.4	27.3
CONSTRUCTION	31.4	32.2	29.2	- .8	2.3
TRANSPORTATION AND PUBLIC UTILITIES	29.4	29.3	28.7	.1	.7
Trucking and warehousing	12.5	12.4	12.1	.1	.4
Communication, electric, gas services	11.7	11.7	11.7	.0	.0
WHOLESALE TRADE	36.4	36.2	34.7	.2	1.7
Wholesale trade-durable goods	23.4	23.3	22.5	.1	.9
RETAIL TRADE	144.4	141.8	139.0	2.6	5.4
General merchandise stores	23.6	22.9	24.3	.7	- .7
FINANCE, INSURANCE, AND REAL ESTATE	59.7	59.7	58.2	.1	1.5
Banking	12.2	12.2	11.8	.0	.3
Insurance carriers	23.6	23.5	23.0	.0	.6
SERVICES	166.8	166.5	158.7	.3	8.1
Business services	39.3	39.4	36.5	- .1	2.8
Health services	41.9	41.7	40.4	.2	1.6
Hospitals	18.6	18.4	17.8	.2	.7
GOVERNMENT	129.7	123.7	122.1	6.0	7.6
Federal government	14.9	14.9	15.6	.0	- .7
State government	55.7	55.0	54.3	.7	1.4
State government education[i]	24.4	23.7	23.9	.7	.4
State government, except education	31.4	31.3	30.4	.0	.9
Local government	59.1	53.9	52.2	5.3	7.0
Local government education	33.3	33.1	31.7	.2	1.6
Local government, except education	25.8	20.8	20.5	5.0	5.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

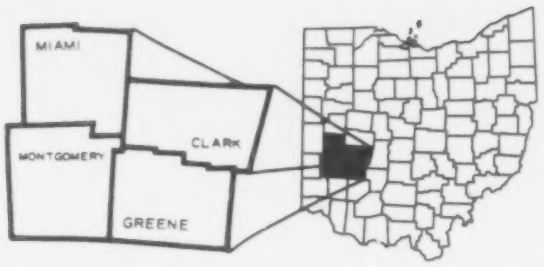
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]
MANUFACTURING	$485.39	$486.22	$484.76	41.7	41.7	42.3	$11.64	$11.66	$11.46
Durable Goods[e]	487.28	493.73	494.81	41.4	41.7	42.4	11.77	11.84	11.67
Stone, clay, and glass products	483.21	472.18	475.69	41.8	40.6	41.4	11.56	11.63	11.49
Glass and glassware, pressed or blown.	441.25	444.69	432.95	41.2	40.5	40.2	10.71	10.98	10.77
Fabricated metal products	535.50	515.42	533.68	42.5	41.3	42.9	12.60	12.48	12.44
Fabricated structural metal products	468.44	480.22	493.94	41.9	42.8	44.7	11.18	11.22	11.05
Machinery, except electrical	445.78	444.03	445.42	41.2	41.0	42.1	10.82	10.83	10.58
Electric and electronic equipment	451.04	451.67	455.53	40.2	40.4	40.6	11.22	11.18	11.22
Transportation equipment	575.04	623.82	650.53	41.7	44.4	46.7	13.79	14.05	13.93
Instruments and related products	412.72	410.12	413.66	38.5	38.8	40.2	10.72	10.57	10.29
Nondurable Goods[f]	481.37	471.92	463.68	42.3	41.8	42.0	11.38	11.29	11.04
Food and kindred products	459.43	441.38	453.18	42.5	41.6	41.5	10.81	10.61	10.92
Printing and publishing	572.06	556.38	541.63	40.4	39.6	40.3	14.16	14.05	13.44
Chemicals and allied products	590.11	570.88	561.15	43.2	42.1	43.5	13.66	13.56	12.90
Rubber and misc. plastics products	364.66	392.49	360.80	42.6	44.5	42.8	8.56	8.82	8.43
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	591.42	579.96	567.59	41.3	40.9	40.6	14.32	14.18	13.98
WHOLESALE TRADE	352.88	361.75	352.30	37.5	37.8	37.8	9.41	9.57	9.32
RETAIL TRADE[h]	188.86	183.97	175.80	29.1	28.7	28.4	6.49	6.41	6.19
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	269.58	268.06	254.93	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	350.48	349.18	335.80	33.7	34.1	34.3	10.40	10.24	9.79

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1988	October 1988	November 1987
Employment Service Program			
New Applicants	[d]4,576	4,478	5,057
Active File of Job Seekers	28,286	27,265	31,241
Referrals to Jobs	2,005	2,549	2,407
Placements	634	813	615
Job Openings Received	1,106	1,271	1,245
Job Openings Unfilled	1,943	2,191	2,925
Unemployment Insurance Program			
Initial Claims	4,760	4,160	5,221
Continued Claims	34,731	26,011	37,017
First Payments	2,529	1,912	1,859
Last Payments	500	449	636
Weeks Compensated	25,377	19,613	26,632
Benefits Paid	$3,979,109	$3,052,003	$4,179,103
Average Weekly Payment	$161.21	$158.97	$160.51

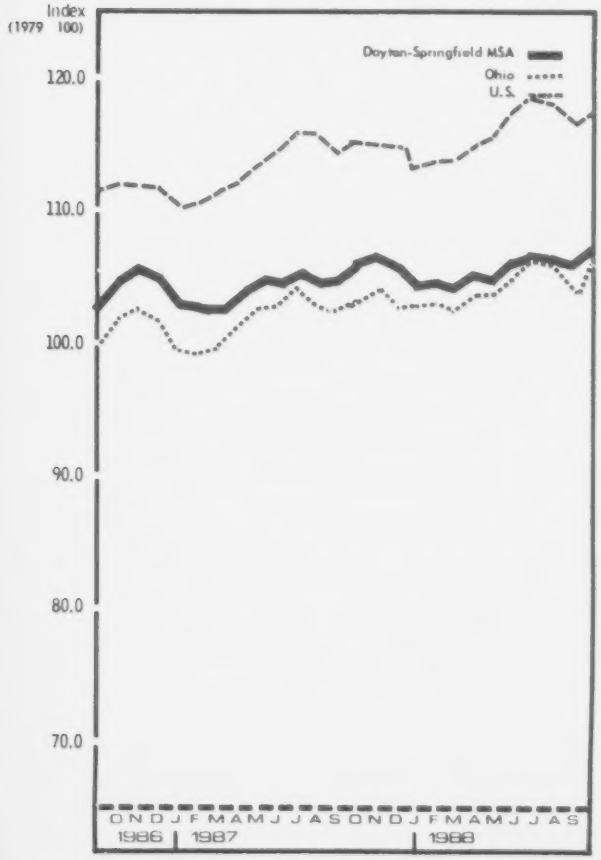
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



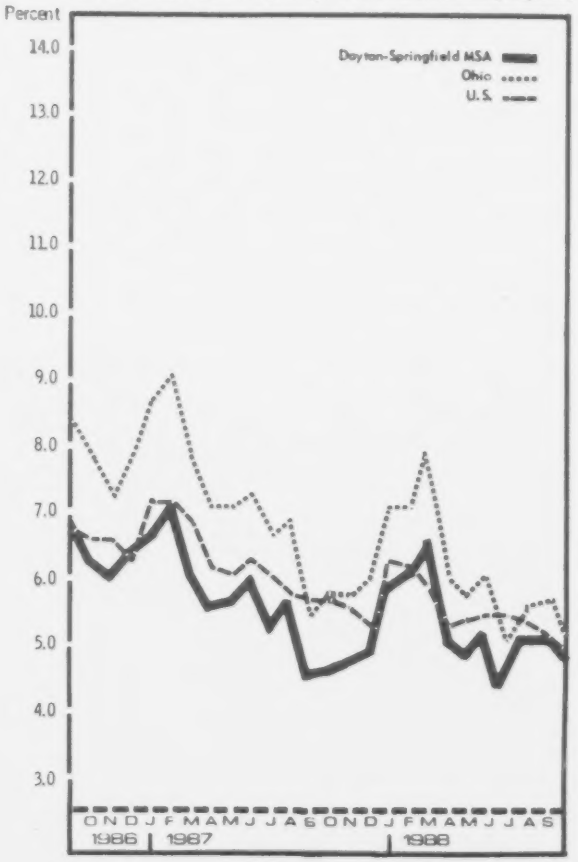
Total nonfarm payroll employment in the Dayton-Springfield metropolitan area rose 5,500 from October, to 451,400 in November 1988. Nonmanufacturing employment increased 5,200 due to the hiring of temporary election workers and seasonal increases in retail trade. Improvements in nonelectrical machinery, transportation equipment, and food and kindred products increased manufacturing employment 300, to 103,700. Factory production workers averaged $13.04 per hour, up $.09 from October. Their average workweek was .3 hours longer at 44.6 hours.

Nonagricultural wage and salary employment advanced 14,900 between November 1987 and November 1988. The expansion was concentrated in the nonmanufacturing sector. Significant growth occurred in services, local government, retail trade, and construction. The manufacturing workforce increased 100 during the period with modest improvement in nonelectrical machinery. Employment declined in transportation equipment, electric and electronic equipment, and rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

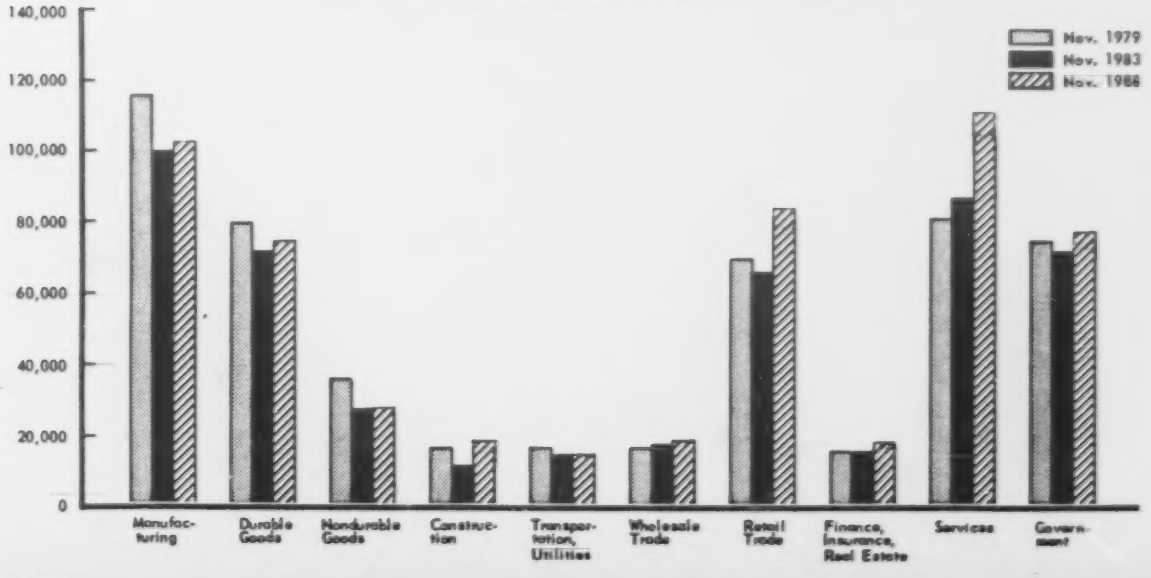


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
				1987						
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
463.7	436.1	27.6	5.9	January	427.4	102.4	65.4	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.9	101.9	65.0	516.86	42.4	12.19
466.3	435.8	30.6	6.6	March	430.6	102.5	65.6	539.14	43.2	12.48
462.8	439.8	22.9	5.0	April	434.2	103.0	66.2	546.45	43.3	12.62
459.9	438.0	21.9	4.8	May	437.3	103.2	66.4	551.06	43.7	12.61
467.0	442.8	24.2	5.2	June	439.0	103.5	66.3	559.24	44.0	12.71
466.3	445.5	20.7	4.4	July	433.7	103.4	66.0	525.34	42.4	12.39
468.2	444.5	23.8	5.1	August	434.0	102.9	65.5	522.44	42.2	12.38
465.3	441.4	23.9	5.1	September	443.8	104.0	66.9	552.41	43.6	12.67
471.8	449.1	22.7	4.8	October	445.9	103.4	66.5	573.69	44.3	12.95
INA	INA	INA	INA	November	451.4	103.7	66.8	581.58	44.6	13.04

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1988[b]	October 1988[c]	November 1987[c]	From Last Month	From Last Year
TOTAL	451.4	445.9	436.6	5.5	14.9
MANUFACTURING	103.7	103.4	103.6	.3	.1
Durable Goods[e]	74.9	74.7	74.5	.2	.5
Fabricated metal products	8.2	8.2	8.3	.0	- .1
Machinery, except electrical	31.1	30.9	30.3	.2	.8
Metalworking machinery	6.6	6.5	6.6	.1	.0
General industrial machinery	2.9	2.9	2.7	.0	.1
Electric and electronic equipment	5.5	5.6	5.8	.0	- .2
Electrical industrial apparatus	3.3	3.4	3.4	.0	- .1
Transportation equipment	20.2	20.2	20.7	- .1	- .5
Nondurable Goods[f]	28.8	28.7	29.1	.1	- .3
Food and kindred products	2.9	2.7	2.8	.1	.0
Paper and allied products	6.0	6.0	6.0	.0	.0
Printing and publishing	8.6	8.6	8.7	.0	- .1
Rubber and misc. plastics products	7.7	7.8	8.0	.0	- .2
NONMANUFACTURING[g]	347.7	342.5	333.0	5.2	14.7
CONSTRUCTION	19.7	20.2	17.7	- .5	2.0
TRANSPORTATION AND PUBLIC UTILITIES	15.9	15.9	15.6	.0	.4
Communication, electric, gas services	5.1	5.1	5.4	- .1	- .3
WHOLESALE TRADE	19.6	19.5	18.8	.1	.8
Wholesale trade-durable goods	12.8	12.8	12.4	.0	.4
RETAIL TRADE	84.3	82.8	80.8	1.5	3.4
General merchandise stores	13.0	12.3	13.0	.7	.0
FINANCE, INSURANCE, AND REAL ESTATE	18.4	18.4	17.9	.0	.4
Banking	4.2	4.2	4.3	.0	- .1
Credit agencies other than banks	4.7	4.7	4.8	.0	.0
Insurance carriers	2.7	2.7	2.8	.0	- .1
SERVICES	111.6	111.6	107.3	.0	4.4
Business services	28.3	28.2	26.6	.1	1.7
Health services	36.9	37.0	36.0	.0	.9
Hospitals	18.7	18.8	18.5	.0	.2
Educational services	9.0	8.8	8.7	.1	.3
GOVERNMENT	77.9	73.7	74.5	4.1	3.3
Federal government	28.0	27.8	28.6	.2	- .6
State government	7.6	6.9	7.3	.6	.3
State government education[1]	4.7	4.0	4.4	.6	.2
State government, except education	2.9	2.9	2.9	.0	.0
Local government	42.3	39.0	38.7	3.3	3.7
Local government education	24.2	24.0	24.1	.3	.1
Local government, except education	18.1	15.1	14.5	3.0	3.5

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

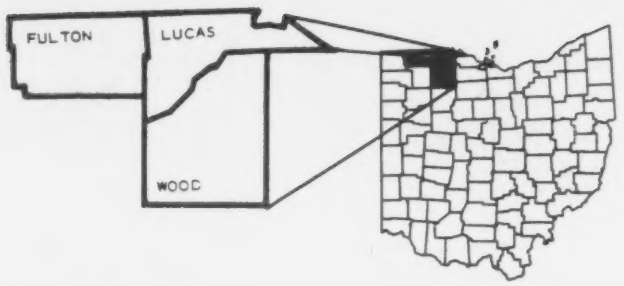
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]
MANUFACTURING	$581.58	$573.69	$512.83	44.6	44.3	42.7	$13.04	$12.95	$12.01
Durable Goods[e]	598.45	589.57	517.65	45.2	44.8	42.5	13.24	13.16	12.18
Fabricated metal products	391.94	374.12	384.80	41.3	39.8	41.6	9.49	9.40	9.25
Machinery, except electrical	628.32	621.95	567.68	46.2	45.9	43.5	13.60	13.55	13.05
Metalworking machinery	595.48	589.00	554.58	47.6	47.5	46.1	12.51	12.40	12.03
General industrial machinery	506.41	478.66	440.91	44.5	43.2	41.4	11.38	11.08	10.65
Electric and electronic equipment	457.42	458.33	447.91	45.2	45.2	47.0	10.12	10.14	9.53
Electrical industrial apparatus	560.71	553.34	535.00	48.8	48.2	49.4	11.49	11.48	10.83
Transportation equipment	782.34	772.20	598.42	47.3	46.8	41.1	16.54	16.50	14.56
Nondurable Goods[f]	531.53	526.81	499.39	42.9	42.9	43.2	12.39	12.28	11.56
Food and kindred products	384.05	358.90	356.83	43.2	41.3	43.2	8.89	8.69	8.26
Paper and allied products	491.06	478.50	521.23	44.2	43.5	47.0	11.11	11.00	11.09
Printing and publishing	451.13	473.52	461.04	39.4	41.5	40.8	11.45	11.41	11.30
Rubber and misc. plastics products	736.92	733.22	621.11	44.5	44.6	42.6	16.56	16.44	14.58
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	565.73	552.67	548.63	40.7	40.4	40.4	13.90	13.68	13.58
WHOLESALE TRADE	404.40	405.56	431.60	40.0	39.8	41.5	10.11	10.19	10.40
RETAIL TRADE[h]	163.26	163.88	157.34	28.1	28.5	27.7	5.81	5.75	5.68
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	357.71	354.22	368.49	34.1	33.8	34.6	10.49	10.48	10.65

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. [j]Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1988	October 1988	November 1987
Employment Service Program			
New Applicants	2,852	2,390	2,756
Active File of Job Seekers	11,787	11,147	19,290
Referrals to Jobs	1,518	1,922	1,251
Placements	374	479	463
Job Openings Received	677	1,205	561
Job Openings Unfilled	1,822	2,075	2,187
Unemployment Insurance Program			
Initial Claims	3,134	2,912	3,604
Continued Claims	20,362	16,913	21,025
First Payments	1,304	1,255	939
Last Payments	288	314	302
Weeks Compensated	14,910	13,639	15,398
Benefits Paid	$2,094,336	$1,975,205	$2,104,245
Average Weekly Payment	$143.67	$147.49	$139.62

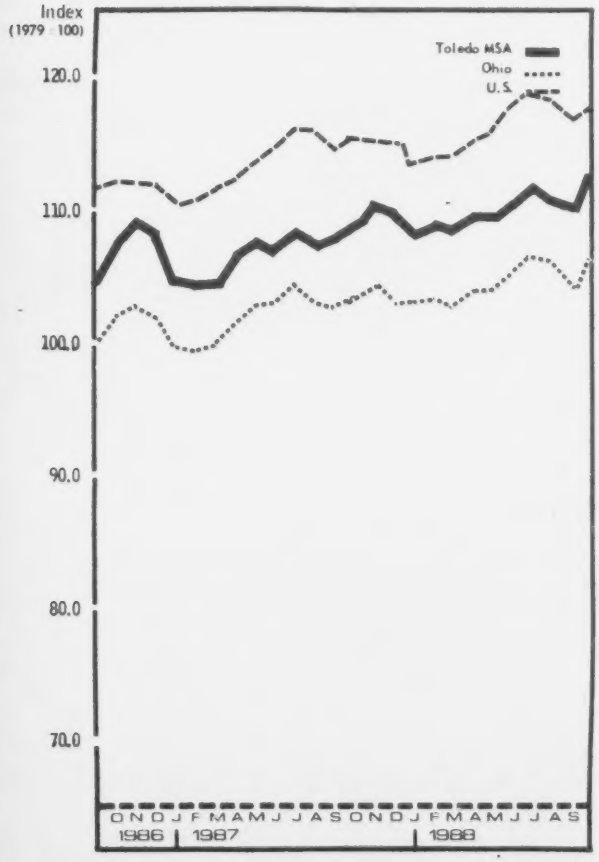
TOLEDO
METROPOLITAN STATISTICAL AREA



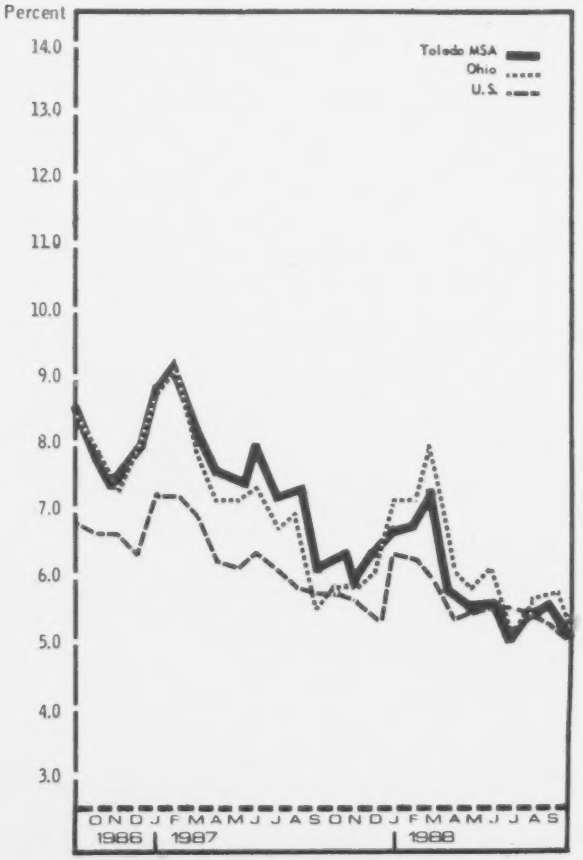
Nonagricultural wage and salary employment in the Toledo metropolitan area totaled 299,500 in November 1988, increasing 2,900 from the October level. The improvement occurred in the nonmanufacturing sector due to the hiring of temporary election workers and more business in retail trade. Although food and kindred products increased slightly, manufacturing employment declined 100, to 62,800. Reductions were noted in primary metal industries and rubber and miscellaneous plastics products. Factory production workers averaged $13.49 per hour, up $.30 from October. Their average workweek of 45.3 hours was .9 hours longer.

Total nonfarm payroll employment advanced 11,600 between November 1987 and November 1988. Significant expansion occurred in services, local government, retail trade, and construction. Manufacturing employment increased 400 over the year. Modest gains were registered in fabricated metal products, primary metal industries, nonelectrical machinery, and nondurable goods. Employment in transportation equipment and electric and electronic equipment declined.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

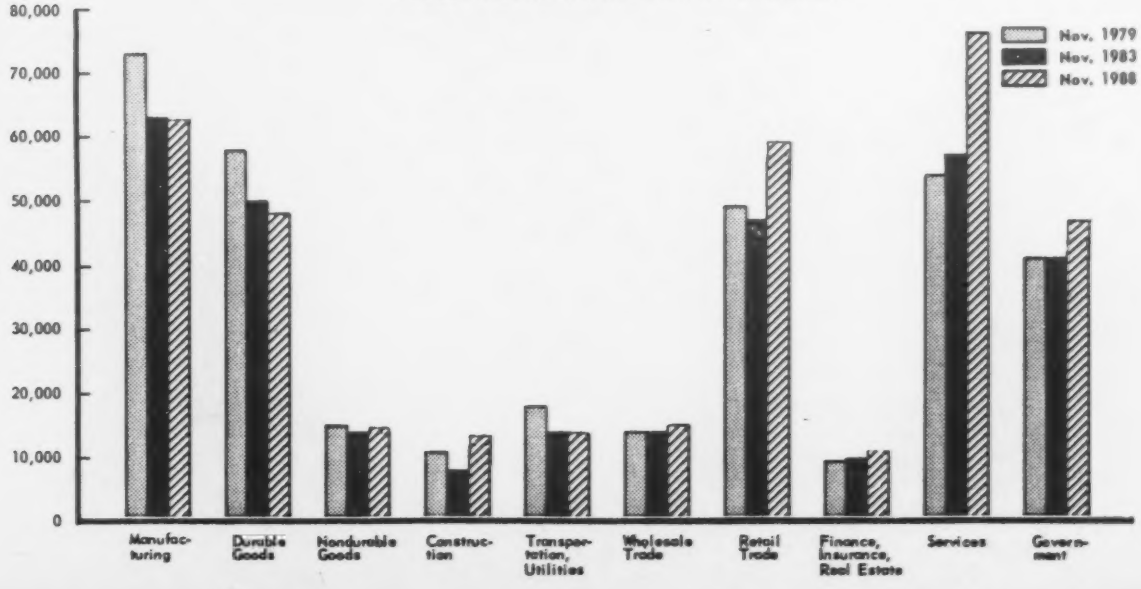


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed				Manufacturing Employment					
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1987						
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	281.5	61.8	44.1	526.58	41.3	12.75
312.3	289.5	22.8	7.3	March	284.0	61.8	44.1	568.49	43.1	13.19
310.9	293.2	17.7	5.7	April	287.3	62.0	44.2	572.86	43.3	13.23
309.8	292.8	16.9	5.5	May	290.1	62.2	44.4	552.90	42.4	13.04
312.9	295.3	17.6	5.6	June	290.7	63.6	45.6	571.58	43.4	13.17
314.1	298.3	15.8	5.0	July	288.5	63.2	45.1	543.93	42.1	12.92
314.1	297.2	16.9	5.4	August	288.2	63.3	45.3	549.95	42.5	12.94
312.7	295.0	17.7	5.6	September	294.7	63.6	45.6	586.49	44.6	13.15
317.5	301.3	16.2	5.1	October	296.6	62.9	44.9	585.64	44.4	13.19
INA	INA	INA	INA	November	299.5	62.8	44.9	611.10	45.3	13.49

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1988[b]	October 1988[c]	November 1987[c]	From Last Month	From Last Year
TOTAL	299.5	296.6	287.9	2.9	11.6
MANUFACTURING	62.8	62.9	62.4	- .1	.4
Durable Goods[e]	48.2	48.3	48.0	- .1	.2
Stone, clay, and glass products	8.2	8.2	8.2	.0	.0
Primary metal industries	3.6	3.6	3.4	- .1	.2
Fabricated metal products	7.9	7.9	7.5	.0	.4
Metal forgings and stampings	3.4	3.4	3.2	.0	.2
Machinery, except electrical	6.2	6.2	6.0	.0	.2
Electric and electronic equipment	2.1	2.1	2.4	.0	- .4
Transportation equipment	15.4	15.4	15.8	- .0	- .5
Motor vehicles and equipment	14.4	14.4	14.9	.0	- .5
Nondurable Goods[f]	14.5	14.6	14.4	- .1	.2
Food and kindred products	3.9	3.7	3.8	.2	.1
Rubber and misc. plastics products	3.1	3.2	3.0	- .1	.1
NONMANUFACTURING[g]	236.7	233.6	225.5	3.0	11.2
CONSTRUCTION	13.4	13.8	11.9	- .4	1.6
TRANSPORTATION AND PUBLIC UTILITIES	13.9	14.1	14.1	- .2	- .1
Trucking and warehousing	5.6	5.6	5.7	.0	.0
Communication, electric, gas services	5.0	5.0	5.0	.0	.0
WHOLESALE TRADE	15.2	15.3	14.9	- .1	.4
Wholesale trade-durable goods	10.1	10.1	9.8	.0	.3
RETAIL TRADE	59.4	57.9	56.6	1.5	2.7
General merchandise stores	8.5	8.0	8.2	.5	.4
FINANCE, INSURANCE, AND REAL ESTATE	11.4	11.4	11.5	.0	- .1
Banking	3.6	3.6	3.6	.0	.1
SERVICES	76.1	76.3	72.7	- .3	3.4
Business services	16.7	16.7	15.5	.0	1.2
Health services	27.7	27.7	27.2	.0	.4
Hospitals	15.2	15.3	15.3	.0	- .1
GOVERNMENT	47.0	44.5	43.6	2.5	3.4
State government	17.0	16.9	16.4	.1	.6
State government education[1]	12.8	12.8	12.4	.1	.5
State government, except education	4.2	4.1	4.0	.0	.1
Local government	27.4	25.0	24.6	2.4	2.8
Local government education	14.6	14.3	14.2	.3	.3
Local government, except education	12.8	10.7	10.4	2.1	2.4

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

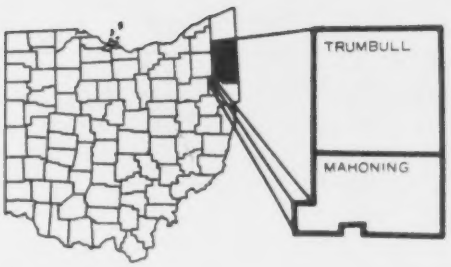
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]
MANUFACTURING	$611.10	$585.64	$548.27	45.3	44.4	42.8	$13.49	$13.19	$12.81
Durable Goods[e]	635.21	607.01	575.86	45.6	44.6	43.2	13.93	13.61	13.33
Stone, clay, and glass products	518.00	524.75	534.23	40.0	40.9	41.9	12.95	12.83	12.75
Primary metal industries	505.08	498.35	486.26	44.5	43.6	43.3	11.35	11.43	11.23
Fabricated metal products	537.43	534.45	566.80	44.6	44.5	44.7	12.05	12.01	12.68
Metal forgings and stampings	637.00	631.67	738.24	43.6	43.0	48.0	14.61	14.69	15.38
Machinery, except electrical	520.22	517.63	509.22	43.1	43.1	42.9	12.07	12.01	11.87
Electric and electronic equipment	586.24	572.74	503.42	45.8	45.6	41.4	12.80	12.56	12.16
Transportation equipment	869.97	795.05	680.55	50.2	47.1	43.1	17.33	16.88	15.79
Motor vehicles and equipment	880.49	803.34	684.43	50.4	47.2	43.1	17.47	17.02	15.88
Nondurable Goods[f]	521.40	504.01	458.71	44.0	43.3	41.4	11.85	11.64	11.08
Food and kindred products	681.86	589.63	498.54	48.6	44.5	41.1	14.03	13.25	12.13
Rubber and misc. plastics products	361.12	343.88	341.92	41.7	40.6	40.9	8.66	8.47	8.36
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	607.57	602.78	598.02	41.7	41.4	41.5	14.57	14.56	14.41
WHOLESALE TRADE	393.22	398.60	362.52	39.8	39.9	38.0	9.88	9.99	9.54
RETAIL TRADE[h]	160.46	159.61	160.13	28.2	28.1	28.8	5.69	5.68	5.56

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1988	October 1988	November 1987
Employment Service Program			
New Applicants	2,089	2,449	1,966
Active File of Job Seekers	17,278	17,082	16,256
Referrals to Jobs	1,439	1,833	1,398
Placements	584	658	749
Job Openings Received	924	1,055	919
Job Openings Unfilled	1,838	1,764	1,114
Unemployment Insurance Program			
Initial Claims	3,015	2,847	3,452
Continued Claims	17,897	14,134	18,410
First Payments	1,131	1,039	771
Last Payments	214	202	353
Weeks Compensated	12,764	11,310	13,178
Benefits Paid	$1,904,313	$1,711,651	$1,875,707
Average Weekly Payment	$154.01	$155.35	$146.35

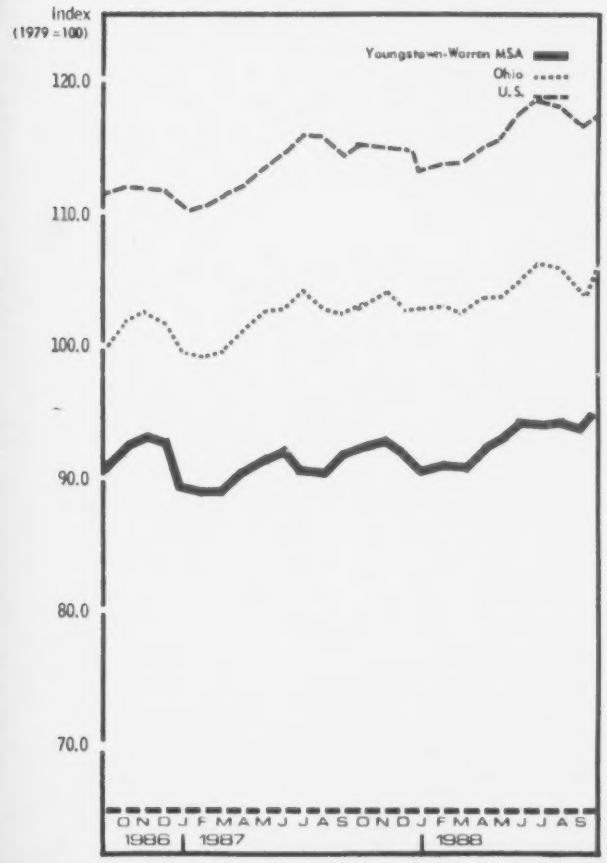
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



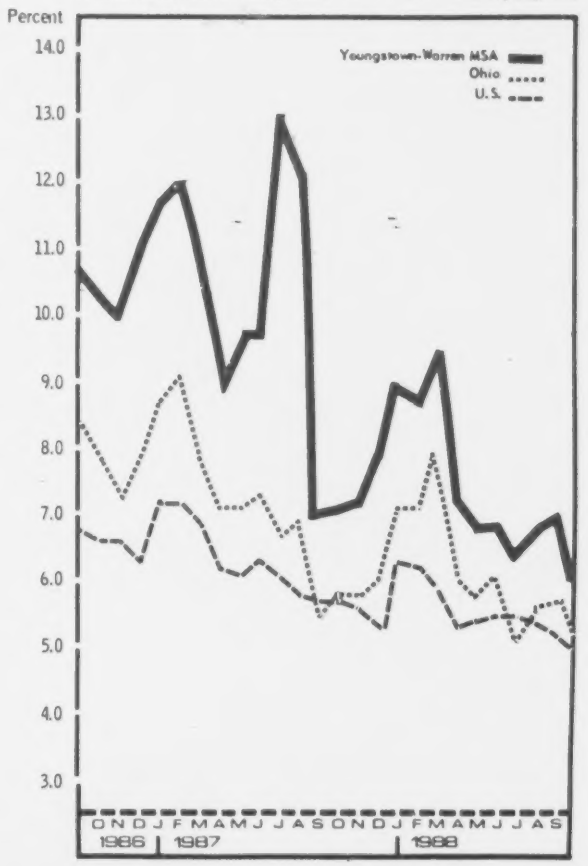
In the Youngstown-Warren metropolitan area, total nonfarm payroll employment rose 1,900 from October, to 200,600 in November 1988. Nonmanufacturing employment increased 1,600. The hiring of temporary election workers and more business in retail trade more than offset reductions in construction and services. Scattered improvements in durable-goods industries raised manufacturing employment 300, to 51,600. Factory production worker average hourly earnings, at $13.66, increased fractionally from October. Their average workweek of 43.5 hours was .5 hours longer.

Nonagricultural wage and salary employment advanced 8,700 between November 1987 and November 1988. Primary growth sectors were retail trade, services, and local government. Noteworthy gains also occurred in wholesale trade and construction. The manufacturing workforce added 1,900 jobs over the year. Improvements were registered in nonelectrical machinery, primary metal industries, and fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

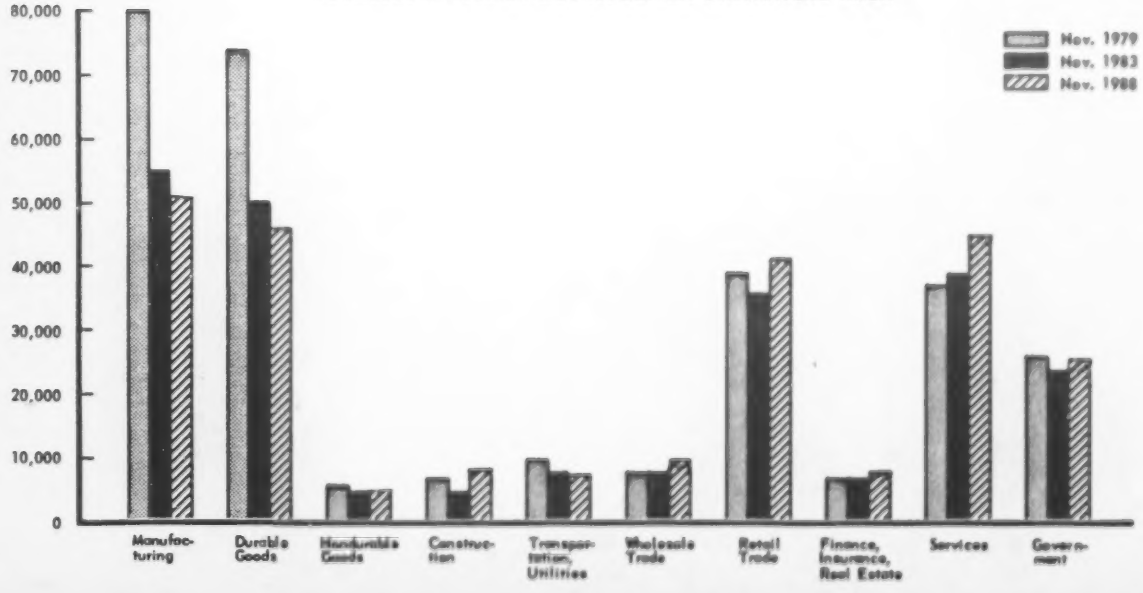


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	$313.50	40.4	$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.6	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1987						
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
218.9	199.2	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.9	49.2	37.4	554.86	41.5	13.37
221.4	200.4	21.0	9.5	March	189.8	49.5	37.7	557.86	41.6	13.41
219.3	203.5	15.8	7.2	April	192.5	50.0	38.1	570.46	42.1	13.55
219.5	204.7	14.8	6.8	May	196.1	50.3	38.4	593.45	43.7	13.58
223.1	207.6	15.5	6.9	June	197.5	50.6	38.8	582.08	42.8	13.60
221.3	207.1	14.2	6.4	July	193.2	48.5	36.4	568.09	42.3	13.43
223.3	207.9	15.4	6.9	August	194.5	49.9	37.8	557.44	41.6	13.40
221.2	205.8	15.4	7.0	September	198.3	51.4	39.4	589.81	43.4	13.59
222.1	208.8	13.4	6.0	October	198.7	51.3	39.2	586.09	43.0	13.63
INA	INA	INA	INA	November	200.6	51.6	39.4	594.21	43.5	13.66

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1988[b]	October 1988[c]	November 1987[c]	From Last Month	From Last Year
TOTAL	200.6	198.7	191.9	1.9	8.7
MANUFACTURING	51.6	51.3	49.7	.3	1.9
Durable Goods[e]	46.0	45.7	44.3	.3	1.7
Primary metal industries	19.3	19.2	18.9	.1	.3
Blast furnace and basic steel products	5.5	5.5	5.6	.0	- .1
Fabricated metal products	7.7	7.7	7.4	.1	.3
Machinery, except electrical	3.9	3.8	3.2	.1	.7
Electric and electronic equipment	2.3	2.3	2.2	.0	.1
Transportation equipment	9.7	9.6	9.6	.1	.2
Nondurable Goods[f]	5.6	5.6	5.4	.0	.2
NONMANUFACTURING[g]	149.0	147.4	142.1	1.6	6.8
CONSTRUCTION	8.8	9.3	8.0	- .5	.8
TRANSPORTATION AND PUBLIC UTILITIES	7.9	7.9	7.6	.0	.3
Communication, electric, gas services	2.9	2.9	3.0	.0	- .1
WHOLESALE TRADE	10.6	10.7	9.8	- .1	.9
Wholesale trade-durable goods	6.5	6.5	6.1	- .1	.3
RETAIL TRADE	41.6	41.1	39.5	.5	2.1
General merchandise stores	5.6	5.3	5.6	.4	.0
FINANCE, INSURANCE, AND REAL ESTATE	8.3	8.3	8.2	.0	.1
Banking	2.8	2.8	2.8	.0	.0
SERVICES	45.3	45.8	43.9	- .5	1.4
Health services	20.0	20.0	19.6	.0	.4
Hospitals	10.3	10.2	10.1	.0	.1
GOVERNMENT	25.8	23.6	24.5	2.2	1.3
State government	4.4	4.0	4.3	.4	.1
State government education[h]	2.9	2.6	2.8	.4	.1
State government, except education	1.5	1.5	1.5	.0	.0
Local government	19.3	17.4	18.1	1.8	1.2
Local government education	11.4	11.0	11.9	.4	- .5
Local government, except education	7.8	6.4	6.2	1.4	1.7

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]	Nov. 1988[b]	Oct. 1988[c]	Nov. 1987[c]
MANUFACTURING	$594.21	$586.09	$566.89	43.5	43.0	42.4	$13.66	$13.63	$13.37
Durable Goods[e]	610.57	601.34	581.40	43.8	43.2	42.5	13.94	13.92	13.68
Primary metal industries	668.12	662.06	632.10	44.1	43.7	43.0	15.15	15.15	14.70
Blast furnace and basic steel products	619.26	619.70	625.63	45.4	45.6	45.6	13.64	13.59	13.72
Fabricated metal products	598.08	588.67	520.76	44.5	43.8	40.4	13.44	13.44	12.89
Machinery, except electrical	495.22	498.67	468.94	43.1	43.4	42.4	11.49	11.49	11.06
Electric and electronic equipment	456.85	457.15	468.99	40.9	41.0	42.1	11.17	11.15	11.14
Transportation equipment	642.67	622.21	634.51	44.2	43.0	43.4	14.54	14.47	14.62
Nondurable Goods[f]	427.03	418.40	421.48	41.1	40.7	41.2	10.39	10.28	10.23
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	571.65	579.96	540.48	40.6	40.9	39.8	14.08	14.18	13.58
WHOLESALE TRADE	377.55	376.75	354.11	39.7	39.7	38.7	9.51	9.49	9.15
RETAIL TRADE[h]	177.83	174.89	170.21	29.2	29.1	28.8	6.09	6.01	5.91

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1988	October 1988	November 1987
Employment Service Program			
New Applicants	1,972	2,554	2,037
Active File of Job Seekers	16,831	17,285	16,160
Referrals to Jobs	1,171	1,884	2,017
Placements	389	627	526
Job Openings Received	545	1,021	630
Job Openings Unfilled	807	925	516
Unemployment Insurance Program			
Initial Claims	4,244	2,687	3,387
Continued Claims	15,984	12,751	15,679
First Payments	1,033	853	1,007
Last Payments	238	198	238
Weeks Compensated	11,975	10,197	12,305
Benefits Paid	$1,650,145	$1,433,810	$1,673,863
Average Weekly Payment	$142.65	$144.40	$140.02

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	40	.2
Manufacturing	56	.3
Nonmanufacturing	35	.2
Mining	56	1.1
Construction	17	1.1
Transportation and Public Utilities	43	.3
Wholesale Trade	19	.3
Retail Trade	20	.4
Finance, Insurance, and Real Estate	42	.2
Services	26	.3
Government	70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic sourc of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio

	November 1988	October 1988	November 1987
New Applicants	36,413	38,294	36,556
Active File of Job Seekers	250,577	247,110	265,373
Counseling Interviews	1,208	1,547	1,404
Tests Administered	1,712	2,175	3,997
General Aptitude Tests	326	261	249
Proficiency Tests	278	462	533
Specific Aptitude Tests	206	420	905
Referrals to Jobs	25,370	31,168	23,091
Placements	6,445	9,249	6,278
Job Openings Received	10,161	14,190	9,563
Job Openings Unfilled	22,792	25,809	19,860

Selected Unemployment Insurance Activities

	November 1988	October 1988	November 1987
Initial Claims	54,529	43,496	61,159
Continued Claims	321,870	250,873	338,808
First Payments	21,348	16,329	17,200
Last Payments	4,830	4,363	5,116
Average Weekly Claimants	67,968	61,116	78,953
Average Weekly Benefit Recipients	49,980	48,898	60,905
Weeks Compensated	229,564	197,380	243,621
Benefits Paid	$34,306,620	$29,778,357	$35,738,411
Average Weekly Payment	$153.93	$154.44	$150.54
Continued Claims for Survey Week	65,174	59,781	80,928
Insured Unemployment Rate	1.5	1.4	1.9
Net Contributions	$76,038,659	$37,887,340	$217,564,425
Active Employer Accounts	200,899	200,778	198,160

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